



U.S. Department  
of Transportation

**National Highway  
Traffic Safety  
Administration**

400 Seventh Street, S.W.  
Washington, D.C. 20590

Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.

\*\*\*    \*\*\*    \*\*\*



AUTO SAFETY HOTLINE  
(800) 424-9393  
Wash. D.C. Area 366-0123

Case Vehicle (A): 1999 Chevrolet  
 Type: Cavalier, 4-door sedan  
 Driver: 28-year-old male  
 CDC: 12-FCEN-1, 12-LZES-1, 12-FZEN-2

## **SITUATION**

(Slide 1) Case vehicle (A) was traveling in the westbound lane of a dry, asphalt, two-lane roadway, (slide 2) with a speed limit of 56 kph (35 mph). As case vehicle (A) was entering a sweeping curve to the left, the driver of case vehicle (A) reportedly fell asleep. Case vehicle (A) departed the road off the right shoulder, and drove over one traffic sign and sideswiped another. The driver of case vehicle (A) reportedly awoke and attempted to avoid a collision by braking, but the front of case vehicle (A) struck a tree.

## **GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES**

(Slide 3) Damage to case vehicle (A) was moderate and was primarily to the center of the front end. The direct-damage length from the impact with the tree was 26 cm and began 36-cm inboard from the right-front bumper. The maximum crush to the bumper was 45 cm and occurred 43-cm inboard from the right-front bumper corner. The left wheelbase was extended 6 cm, and there was no significant change in the right wheelbase. The sideswipe damage from the sign began approximately 20-cm rearward from the left-front axle and ended approximately 15 rearward of the left-rear axle. There was no significant crush resulting from this sideswipe.

Using the WinSMASH accident-reconstruction program and (slides 4, 5, 6) c-values for case vehicle (A), the following impact severity was calculated for the impact with the tree:

Vehicle	Variable	Calculated Velocity Change - kph (mph)		
		Total	Longitudinal	Latitudinal
Case Vehicle (A)	delta V	29 (18)	-29 (-18)	0 (0)

## **DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)**

### **Exterior**

(Slides 7, 8, 9, 10) Both left doors and the left quarter panel were damaged during the sideswipe impact. (Slides 11, 12, 13, 14, 15) The front bumper, both headlight assemblies, the grille, and the left fender were damaged by the frontal impact with the tree. The center front of the hood was crushed, and the hood latch was jammed. Both hood hinges were damaged, but did not separate. The rear edge of the hood was elevated, but it did not contact the windshield. (Slides 16, 17) The windshield was damaged at the upper-left corner, probably from contact with one of the struck traffic signs. The left fender was buckled and displaced rearward. All doors remained closed and operational.

### **Interior**

(Slides 18, 19, 20, 21, 22) This vehicle was equipped with both steering-wheel and passenger frontal-impact airbags, which deployed during the frontal impact with the tree. No damage was noted to the airbag skins or (slides 23, 24, 25, 26) to the module doors/flaps. (Slide 27) The steering-wheel rim was not deformed and there was no deformation of the steering-wheel spokes. There were no intrusions. (Slides 28, 29, 30, 31, 32) There was no damage to the upper and mid instrument panels. Occupant contact marks were noted on the knee bolster and the left side of the vertical console. (Slides 33, 34, 35, 36) The driver seat adjuster was damaged and jammed in a rearward position. The right portion of the windshield was damaged from contact by the cover of the deploying passenger frontal-impact airbag. (Slide 37) No contact marks were noted on the left- roof siderail, the left upper A-pillar, the windshield header/sunvisor, or the left-front door interior panel.

## **OCCUPANT INJURIES AND KINEMATICS**

The 6-ft, 0-in, 155-lb, 28-year-old male driver (slide 38, 39) was wearing the available three-point belt, as indicated by scuff marks on the D-ring, and the steering-wheel airbag deployed. On impact, he moved forward into the three-point belt and the airbag. No injury was reported for this occupant, although minimal blood stains were noted on the steering-wheel airbag skin, and

(slides 40, 41, 42, 43, 44) scuff marks were noted on the driver knee bolster and the left side of the vertical console.

The following table and (slide 45) attached drawing summarize the injuries sustained by the driver.

Occupant: Driver  
Restraints: 3-point belt worn; airbag deployed

Age: 28 years  
Stature: 183 cm (6 ft, 0 in)

Gender: Male  
Mass: 70 kg (155 lb)

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
No injuries reported				
<u>Maximum A.I.S. Level</u>	<u>0</u>			
<u>Injury Severity Score</u>	<u>0</u>			

TIME

DATE OF COLLISION

      /       /              
m m d d y y y y

HOUR OF COLLISION

(24 HOUR CLOCK)

             
21 24

LOCATION

STATE:                     

STATE FIPS CODE

       
25 26

AREA

- (1) URBAN  
(2) RURAL  
(9) UNKNOWN

    
27

ENVIRONMENTAL CONDITIONS

LIMITED-ACCESS HIGHWAY

- (0) NO  
(1) YES  
(9) UNKNOWN

    
28

ROAD, TOTAL TRAFFIC LANES  
(FOR CASE VEHICLE)

- (1) 1-LANE  
(2) 2-LANES  
(3) 3-LANES  
(4) 4 OR MORE LANES  
(5) DIVIDED, 4 OR MORE LANES  
(6) PARKING LOT/DRIVEWAY  
(7) OTHER:                       
(9) UNKNOWN

    
29

INTERSECTING RD, TOTAL LANES

CHOOSE FROM ABOVE LIST, OR

- (8) NOT APPLICABLE

    
30

TYPE OF ROAD SURFACE

- (1) ASPHALT  
(2) CONCRETE  
(3) GRAVEL  
(4) MORE THAN ONE (CIRCLE EACH)  
(7) OTHER:                       
(9) UNKNOWN

    
31

ROAD DEFECTS

- (0) NO  
(1) YES  
(9) UNKNOWN

    
32

ENVIRONMENTAL CONDITIONS

CONSTRUCTION ZONE

- (0) NO  
(1) YES  
(9) UNKNOWN

    
33

ROAD ALIGNMENT  
VERTICAL PLANE

- (1) LEVEL  
(2) CREST OF HILL  
(3) SLOPE (2%)  
(4) BOTTOM OF HILL  
(9) UNKNOWN

    
34

ROAD ALIGNMENT  
HORIZONTAL PLANE

- (1) STRAIGHT  
(2) CURVE  
(3) T - SHAPED  
(4) Y - SHAPED  
(7) OTHER:                       
(9) UNKNOWN

    
35

SURFACE COVERING

- (10) DRY  
  
(21) WATER - DAMP  
(22) WATER - WET  
(23) WATER - PUDDLED  
(29) WATER - AMOUNT UNKNOWN  
  
(31) SNOW - LOOSE  
(32) SNOW - PACKED  
(39) SNOW - CONDITION UNKNOWN  
  
(41) ICE  
(51) SLUSH  
(61) SPILLED GRAVEL  
(71) OTHER:                       
(99) UNKNOWN

       
36 37

VISIBILITY LIMITATION  
(FOR CASE VEHICLE)

- (0) NONE  
(1) CLOUDY/DARK  
(2) FOG  
(3) SMOKE  
(4) WINDSHIELD CONDITION  
(5) GLARE  
(6) RAIN  
(7) OTHER:                       
(8) ICE/SNOW  
(9) UNKNOWN

    
38

VISIBILITY OBSTRUCTION  
(FOR CASE VEHICLE)

- (0) NONE  
(1) BUILDING  
(2) SIGN  
(3) VEGETATION (E.G. BUSHES, SHRUBS)  
(4) TREE  
(5) HILL OR CURVE IN ROAD  
(6) VEHICLE IN TRANSPORT  
(7) OTHER:                       
(8) PARKED VEHICLE  
(9) UNKNOWN

    
39

## ENVIRONMENTAL CONDITIONS

## SPEED LIMIT

- (0) 5-45 km/h ..... 5-25 mph  
 (1) 46-55 ..... 30  
 (2) 56-60 ..... 35  
 (3) 61-70 ..... 40  
 (4) 71-79 ..... 45  
 (5) 80-85 ..... 50  
 (6) 86-90 ..... 55  
 (7) 91-105 ..... 60  
 (8) OVER 105 ..... 65  
 (9) UNKNOWN

## PRECIPITATION

- (0) NONE  
 (1) RAIN  
 (2) SNOW  
 (3) HAIL  
 (4) FREEZING RAIN/SLEET  
 (7) OTHER: \_\_\_\_\_  
 (9) UNKNOWN

## RATE OF PRECIPITATION

- (1) LIGHT/MIST  
 (2) MODERATE  
 (3) HEAVY  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

## TEMPERATURE

- (0) BELOW -15° C ..... BELOW 5° F  
 (1) -15 TO -6 ..... 5 TO 22  
 (2) -5 TO -1 ..... 23 TO 31  
 (3) 0 TO 2 ..... 32 TO 36  
 (4) 3 TO 5 ..... 37 TO 41  
 (5) 6 TO 15 ..... 42 TO 59  
 (6) 16 TO 25 ..... 60 TO 77  
 (7) 26 TO 35 ..... 78 TO 95  
 (8) OVER 35 ..... OVER 96  
 (9) UNKNOWN

## CROSSWIND

- (0) NONE  
 (1) LIGHT  
 (2) STRONG  
 (3) GUSTY & STRONG  
 (9) UNKNOWN

## LIGHT CONDITIONS

- (1) DAYLIGHT  
 (2) DAWN  
 (3) DUSK  
 (4) DARK, LIGHTED  
 (5) DARK, UNLIGHTED  
 (6) DARK, UNKNOWN IF LIGHTED  
 (9) UNKNOWN

2  
40

## MECHANICAL MALFUNCTION

WAS THERE MENTION  
OF A MECHANICAL MALFUNCTION  
IN CASE VEHICLE

- (0) NO  
 (1) YES  
 (2) YES, DID NOT CONTRIBUTE  
TO ACCIDENT  
 (9) UNKNOWN

0  
46

0  
41

THE FOLLOWING SECTION SHOULD BE FILLED  
OUT IF A MECHANICAL MALFUNCTION IS  
RECOGNIZED OR SUSPECTED.

CIRCLE ITEMS INVOLVED. SUPPORT ANY  
ITEMS CIRCLED WITH COMMENTS.

BRAKE SYSTEM	DRIVER CONTROLS
EXHAUST SYSTEM	POWER TRAIN
STEERING SYSTEM	FUEL SYSTEM
SUSPENSION SYSTEM	VISIBILITY ITEMS
ELECTRICAL SYSTEM	TIRES
THROTTLE CONTROLS	UNKNOWN

OTHER: \_\_\_\_\_

COMMENTS: \_\_\_\_\_

8  
42

9  
43

9  
44

5  
45

## CRASH DETAILS

## CASE VEHICLE AND OBJECT

- (0) NO  
(1) YES  
(9) UNKNOWN

1  
47

## CASE VEHICLE ROLLOVER

- (0) NO ROLLOVER  
(1) YES, FIRST EVENT  
(2) YES, SUBSEQUENT EVENT  
(3) YES, SEQUENCE UNKNOWN  
(9) UNKNOWN

0  
48

HIGHEST POLICE INJURY  
SEVERITY CODE IN CRASH  
(NOT JUST CASE VEHICLE)

- (0) O - NO INJURY  
(1) C - POSSIBLE INJURY  
(2) B - NON-INCAPACITATING INJURY  
(3) A - INCAPACITATING INJURY  
(4) K - FATAL  
(5) INJURED, SEVERITY UNKNOWN  
(6) DIED PRIOR TO ACCIDENT  
(7) NON-FATAL INJURY  
SEVERITY UNKNOWN  
(9) UNKNOWN

1  
55

CASE VEHICLE RAN OFF ROADWAY  
(BEFORE FIRST IMPACT)

- (0) NO  
(1) YES  
(9) UNKNOWN

1  
49

## DRIVER IMPAIRMENT

DRIVER ALCOHOL INVOLVEMENT  
(CASE VEHICLE)

- (0) NONE  
(1) YES  
(9) UNKNOWN/NOT REPORTED/  
NO DRIVER

0  
56

MOVING CASE VEHICLE AND  
CONTACTED MOVING VEHICLE

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
50

DRIVER ALCOHOL BAC  
(CASE VEHICLE)

- (80) NO TEST  
(90) CHEMICAL TESTS, NO RESULTS  
(95) AUTOPSY, NO RESULTS  
(99) UNKNOWN

80  
57 58

CASE VEHICLE AND  
CONTACTED STOPPED VEHICLE

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
51

WAS THERE MENTION OF DRIVER  
IMPAIRMENT FOR CASE VEHICLE?

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
59

STOPPED CASE VEHICLE AND  
CONTACTED VEHICLE

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
52

## LIST IMPAIRMENTS MENTIONED:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

TOTAL NUMBER  
OF VEHICLES CONTACTED  
BY CASE VEHICLE IN CRASH

- (8) 8 OR MORE  
(9) UNKNOWN

0  
53

## Post - CRASH DETAIL

MANNER CASE VEHICLE  
LEFT SCENE

- (1) DRIVEN  
(2) TOWED DUE TO DAMAGE  
(3) TOWED, NOT DUE TO DAMAGE  
(4) TOWED, REASON UNKNOWN  
(9) UNKNOWN

2  
60

ANY FIRE IN THIS CRASH  
(NOT JUST CASE VEHICLE)

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
54



# ACCIDENT SCHEMATIC

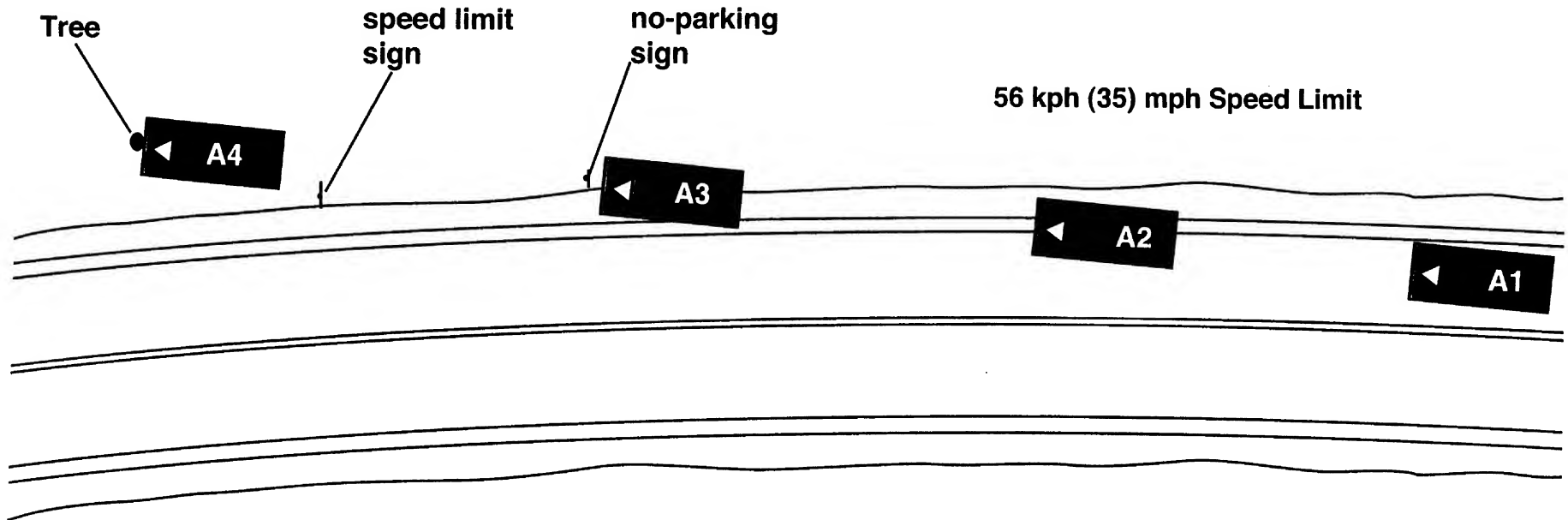
ACCIDENT DESCRIPTION: Case vehicle (A) was traveling in the westbound lane of a two-lane roadway, negotiating a left sweeping curve. The driver of case vehicle (A) reportedly fell asleep and departed the road off the right shoulder and drove over one traffic sign and sideswiped another. The driver of case vehicle (A) reportedly awoke just prior to striking a tree and attempted to avoid the collision by braking, but struck the tree with the front of case vehicle (A)

CASE VEHICLE (A): 1999 Chevrolet Cavalier  
OTHER VEHICLE (B): N/A  
THIRD VEHICLE (C): N/A

Q  
4



NORTH



Duplicate columns 1-8  
from the previous card.

Module O V Format 0 4  
9 10 11 12

OTHER VEHICLE OV-1

MAKE: \_\_\_\_\_

CARGO: \_\_\_\_\_

MODEL: \_\_\_\_\_

VIN

13

29

MANUFAC/BODY CODE

30

34

MAKE/MODEL CODE

38

MODEL YEAR

39

42

VEHICLE MASS (kg)

43

48

IF SEPARATE REPORT WAS MADE,  
GIVE VEHICLE NUMBER

NUMBER OF OCCUPANTS  
(ENTER 9'S IF UNKNOWN)

51

TRAVELING SPEED (km/h)

54

- (000) PARKED OR STOPPED  
(995) JUST STARTING UP  
(996) BACKING UP  
(997) SPEED NOT EXCESSIVE (BUT UNKNOWN)  
(998) SPEED EXCESSIVE (BUT UNKNOWN)  
(999) UNKNOWN

HIGHEST POLICE INJURY SEVERITY  
CODE FOR THIS VEHICLE

- (0) O - NO INJURY  
(1) C - POSSIBLE INJURY  
(2) B - NON-INCAPACITATING INJURY  
(3) A - INCAPACITATING INJURY  
(4) K - FATAL  
(5) INJURED, SEVERITY UNKNOWN  
(6) DIED PRIOR TO ACCIDENT  
(7) NON-FATAL INJURY  
SEVERITY UNKNOWN  
(8) UNOCCUPIED VEHICLE  
(NOT APPLICABLE)  
(9) UNKNOWN

55

#### VEHICLE TYPE

##### PASSENGER VEHICLE

- (02) LARGE  
(03) LIMOUSINE  
(17) PICKUP CAR  
(20) UNKNOWN PASSENGER VEHICLE BODY  
(24) SUB-MINI  
(25) MINI  
(26) SUB-COMPACT  
(27) COMPACT  
(28) INTERMEDIATE  
(29) FULL

56

57

##### MULTIPURPOSE PASSENGER VEHICLE

- (14) SMALL UTILITY (WHEELBASE LESS THAN 107",  
E.G. JEEP, BRONCO)  
(15) LARGE UTILITY (WHEELBASE MORE THAN 107",  
E.G. PANEL TRUCK, SUBURBAN)  
(16) PICKUP TRUCK WITH CANOPY/SHELL COVER  
(17) PICKUP CAR WITH CANOPY/SHELL COVER  
(21) MOTOR HOME  
(22) PICKUP TRUCK WITH SLIDE-IN CAMPER  
(23) PICKUP CAR WITH SLIDE-IN CAMPER  
(31) CHASSIS-MOUNTED CAMPER

##### TRUCK

- (11) VAN  
(12) PICKUP TRUCK  
(13) UNKNOWN LIGHT TRUCK  
(15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)  
(16) PICKUP TRUCK WITH CANOPY/SHELL COVER  
(22) PICKUP TRUCK WITH SLIDE-IN CAMPER  
(30) UNKNOWN TRUCK TYPE  
(31) CHASSIS-MOUNTED CAMPER  
(33) DELIVERY VAN (WALK-IN)  
(34) STRAIGHT TRUCK  
(35) TRUCK-TRACTOR (BOBTAIL)  
(36) CHASSIS-CAB  
(37) UNKNOWN HEAVY TRUCK  
(38) TRACTOR & SEMI-TRAILER (SEMI)  
(39) TRUCK (OR SEMI) & FULL TRAILER(S)

##### BUS

- (40) UNKNOWN BUS TYPE  
(41) SCHOOL BUS  
(42) INTERCITY BUS (BETWEEN CITIES)  
(43) TRANSIT BUS (INTRACITY)  
(44) STREETCAR (ON TRACKS)

- (68) TRAIN (CARS)  
(69) LOCOMOTIVE (ENGINE, SWITCHER)

(99) UNKNOWN

WHEELBASE (cm)

(999) UNKNOWN

58 59 60

Duplicate columns 1-8  
from the previous card.

Module 0 9 V 10 Format 0 11 2 12

OTHER VEHICLE OV-2

### ORIGINAL SPECIFICATIONS

Wheelbase	_____ cm	Front Overhang	_____ cm
			22 _____ 24
Curb Weight	_____ kg	Rear Overhang	_____ cm
			25 _____ 27
Average Track Width	_____ cm	Undeformed End Width (UEW)	_____ cm
	13 _____ 15		28 _____ 30
Overall Length	_____ cm	Engine Displacement	_____ L
	16 _____ 18		31 _____ 32
Overall Width (OAW)	_____ cm	Engine: # of Cylinders	_____
	19 _____ 21		33 _____ 34

### VEHICLE DAMAGE

N/A

### FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more  
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL) \_\_\_\_\_ cm

35 \_\_\_\_\_ 37

Front-End Overlap (Percent) =  $\frac{DDL}{UEW}$  \_\_\_\_\_ %

38 \_\_\_\_\_ 39

Vehicle Overlap (Percent) =  $\frac{DDL + 1/2 (OAW - UEW)}{OAW}$  \_\_\_\_\_ %

40 \_\_\_\_\_ 41

Duplicate columns 1-8  
from the previous card.

Module V D Format 0 4  
9 10 11 12

VEHICLE DESCRIPTION VD-1

MAKE: Chevrolet  
MODEL: Cavalier 4-door

CARGO: 2 Kg clothes per driver

VIN 1 G I J F 5 2 I 5 X 7 [REDACTED]  
13 29

MANUFAC/BODY CODE 11327  
30 34

MAKE/MODEL CODE 0118  
38

MODEL YEAR 1999  
39 42

VEHICLE MASS (kg) 001193  
43 48

ODOMETER (km)  
(ENTER 9'S IF UNKNOWN) 030730  
(ENTER 8'S IF ELECTRONIC) 49 54

NUMBER OF OCCUPANTS 01  
(ENTER 9'S IF UNKNOWN) 56

TRAVELING SPEED (km/h) 999  
59

- (000) PARKED OR STOPPED  
(995) JUST STARTING UP  
(996) BACKING UP  
(997) SPEED NOT EXCESSIVE (BUT UNKNOWN)  
(998) SPEED EXCESSIVE (BUT UNKNOWN)  
(999) UNKNOWN

STOLEN VEHICLE

- (0) NO  
(1) YES  
(8) NOT COLLECTED  
(9) UNKNOWN

8  
62

BODY STRUCTURE

- (1) BODY & FRAME  
(2) UNITIZED  
(3) INTEGRAL-STUB FRAME  
(4) BODY & PLATFORM FRAME  
(E.G. VW BUG)  
(5) PARTIALLY UNITIZED  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

2  
63

TRANSMISSION

- (0) NONE  
(1) AUTOMATIC  
(2) MANUAL  
(9) UNKNOWN

1  
64

LOCATION OF TRANSMISSION  
SELECTOR LEVER

- (1) FLOOR  
(2) CONSOLE  
(3) COLUMN  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

2  
65

STEERING

- (1) POWER  
(2) MANUAL  
(9) UNKNOWN

1  
66

BRAKES

- (1) POWER  
(2) MANUAL  
(9) UNKNOWN

1  
67

VEHICLE TYPE

PASSENGER VEHICLE

- (11) 2-DOOR HARDTOP (NO UPPER B-PILLAR)  
(12) 2-DOOR SEDAN OR COUPE  
(ANY UPPER B-PILLAR)  
(13) 4-DOOR HARDTOP  
(14) 4-DOOR SEDAN  
(15) STATION WAGON  
(16) CONVERTIBLE  
(18) OTHER PASS. VEH. : \_\_\_\_\_  
(19) PASSENGER VEHICLE, TYPE UNKNOWN

MULTIPURPOSE PASSENGER VEHICLE

- (21) SMALL UTILITY (E.G. JEEP, SCOUT, BRONCO)  
(22) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)  
(23) VAN, SIZE UNKNOWN  
(24) VAN, SMALL (MINI)  
(25) VAN, LARGE  
(29) MPV, TYPE UNKNOWN  
(30) MOTOR HOME

TRUCK

- (31) PICKUP TRUCK, UNKNOWN  
(32) PICKUP TRUCK, SMALL (DOWNSIZED)  
(33) PICKUP TRUCK, LARGE

(99) UNKNOWN

14  
60 61

TYPE OF BRAKES

- (1) DRUM, ALL WHEELS
- (2) DISC, FRONT WHEELS
- (3) DISC, ALL WHEELS
- (9) UNKNOWN

2  
68

WHEELBASE (cm)  
(999) Unknown

264  
76 77 78

BRAKE ANTI-LOCK DEVICE

- (0) NONE INSTALLED
- (1) TWO-WHEEL
- (2) FOUR-WHEEL
- (7) EQUIPPED, UNKNOWN WHEELS
- (9) UNKNOWN

2  
69

PLASTIC ANTI-LACERATIVE  
INNER LAYER GLASS EQUIPPED

- (0) NONE
- (1) WINDSHIELD
- (2) WINDSHIELD AND SIDE
- (7) OTHER
- (9) UNKNOWN

Φ  
79

AIR CONDITIONING IN VEHICLE

- (0) NO
- (1) YES
- (8) NOT COLLECTED
- (9) UNKNOWN

8  
70

TYPE OF DRIVE

- (1) REAR WHEEL
- (2) FRONT WHEEL
- (3) FOUR WHEEL
- (4) ALL WHEEL DRIVE
- (9) UNKNOWN

2  
71

FIELD INVESTIGATOR INSTRUCTIONS:

1. INDICATE CRUSHED AREAS BY OUT-LINING NEW PERIMETER OF VEHICLE AND SHADING THE DAMAGED AREAS ON THE LARGE SKETCH ON PAGE VD-3. USE AS MANY SKETCHES AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.
2. ENTER THE DIMENSIONS ON THE SKETCH(ES) MEASURED TO THE POINT OF MAXIMUM PENETRATION BY THE OBJECT(S) CONTACTED. USE THE EXAMPLES BELOW AS A GUIDE.
3. ENTER THE THREE DIMENSIONS TO THE CENTER OF THE WHEELS (WHEELBASE, FRONT AND REAR OVERHANGS) ON BOTH SIDES OF THE CAR.
4. ADD OTHER DIMENSIONS AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.

EXAMPLES:

DUAL REAR WHEELS

- (0) NO
- (1) YES
- (9) UNKNOWN

Φ  
72

ORIGINAL TYPE  
OF RESTRAINT SYSTEM

- (1) ACTIVE BELT
- (2) PASSIVE BELT
- (3) AIRBAG
- (4) KNEE BOLSTERS
- (7) OTHER: \_\_\_\_\_
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

3  
73

EQUIPPED WITH ROLL BAR

- (0) NO
- (1) YES
- (9) UNKNOWN

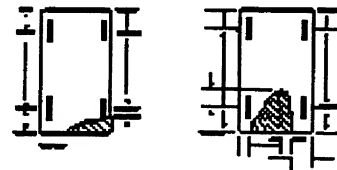
Φ  
74

TYPE OF ROOF

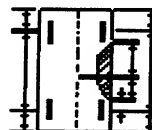
- (0) NONE
- (1) SOLID
- (2) T-TOP CLOSED
- (3) T-TOP OPEN
- (4) SUN ROOF CLOSED
- (5) SUN ROOF OPEN
- (6) CONVERTIBLE CLOSED
- (7) CONVERTIBLE OPEN
- (8) OTHER: \_\_\_\_\_
- (9) UNKNOWN

1  
75

FRONT OR REAR



SIDE



ROOF (REFERENCE TO  
TOP OF DOOR SILL  
OR WINDOW SILL)



Duplicate columns 1-8  
from the previous card.

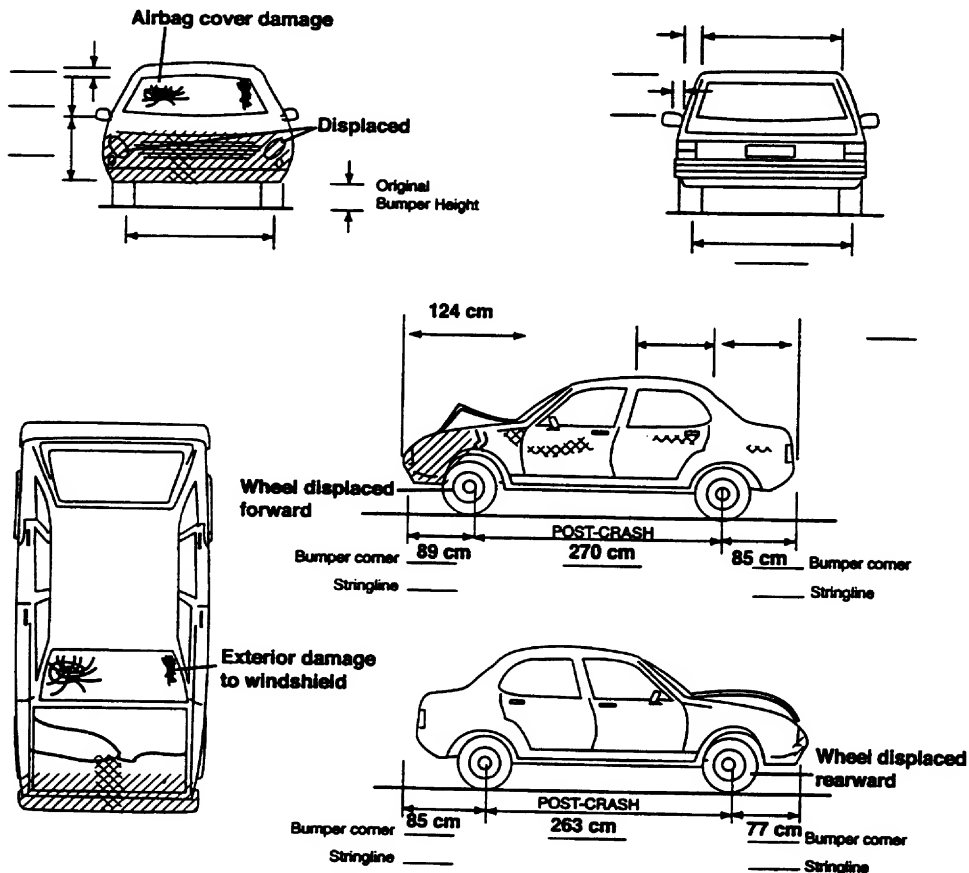
Module V D Format 0 2  
9 10 11 12

# VEHICLE DESCRIPTION VD-3

## ORIGINAL SPECIFICATIONS

Wheelbase	<u>264</u> cm	Front Overhang	<u>099</u> cm
Curb Weight	<u>1193</u> kg	Rear Overhang	<u>096</u> cm
Average Track Width	<u>145</u> cm	Undeformed End Width (UEW)	<u>135</u> cm
Overall Length	<u>459</u> cm	Engine Displacement	<u>2.4</u> L
Overall Width (OAW)	<u>173</u> cm	Engine: # of Cylinders	<u>04</u>

## MEASUREMENTS IN CENTIMETERS



## FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more  
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL)

999 cm

Front-End Overlap (Percent) =  $\frac{DDL}{UEW}$

99 %

Vehicle Overlap (Percent) =  $\frac{DDL + 1/2 (OAW - UEW)}{OAW}$

99 %

Duplicate columns 1-8  
from the previous card.

Module D A Format 0 2  
9 10 11 12

DAMAGE DA-1

PRIMARY	CASE VEHICLE PRIMARY CDC	CONTACTED VEHICLE ASSOCIATED CDC
EVENT NUMBER	3	
IMPACT SPEED (km/h)	999	998
ESTIMATED BY	1	8
CRUSH (cm)	045	998
CDC #1	12 FZEN 2	98 000000
CDC #2	98 000000	98 000000

Duplicate columns 1-8  
from the previous card.

Module D A Format 0 3  
9 10 11 12

SECONDARY	CASE VEHICLE SECONDARY CDC	CONTACTED VEHICLE ASSOCIATED CDC
EVENT NUMBER	2	
IMPACT SPEED (km/h)	999	998
ESTIMATED BY	1	8
CRUSH (cm)	001	998
CDC #1	12 LZES 1	98 000000
CDC #2	98 000000	98 000000

## CODES

### EVENT NUMBER

(8) NOT APPLICABLE  
(9) UNKNOWN

### IMPACT SPEED

(998) NOT APPLICABLE  
(999) UNKNOWN

### IMPACT SPEED ESTIMATOR

(1) INVESTIGATOR  
(2) DRIVER  
(3) POLICE  
(4) "CRASH" PROGRAM  
(5) OTHER COMPUTER PROGRAM  
SPECIFY: \_\_\_\_\_  
(7) OTHER: \_\_\_\_\_  
(8) NOT APPLICABLE  
(NO VEHICLE/NO IMPACT)

### CRUSH

(998) NOT APPLICABLE  
(NO VEHICLE/DAMAGE)  
(999) UNKNOWN

### CDC

(9800000) NOT APPLICABLE  
(9900000) UNKNOWN

Duplicate columns 1-8  
from the previous card.

Module D A Format 0 1  
9 10 11 12

DAMAGE DA-2

### MAXIMUM SHEET METAL CRUSH

(cm) (999) UNKNOWN

FRONT 045  
13 15

RIGHT SIDE 000  
16 18

REAR 000  
19 21

LEFT SIDE 001  
22 24

ROOF 000  
25 27

OTHER 000  
28 30

### CHRONOLOGICAL SEQUENCE OF DAMAGE/INJURY PRODUCING CRASH EVENTS FOR CASE VEHICLE

NOTE: IF CHRONOLOGICAL ORDER  
IS UNKNOWN, EVENT  
ORDER IS OPTIONAL.

DO YOU KNOW THIS TABLE  
TO BE IN CHRONOLOGICAL ORDER?

(0) NO  
(1) YES

1  
31

EVENT NUMBER	IMPACT LOCATION (1) ON ROADWAY (2) SHOULDER/MEDIAN/GORE (3) ON ROADSIDE (4) OUTSIDE ROADSIDE RIGHT-OF-WAY (5) OTHER (6) OFF ROADWAY, LOC. UNK. (9) UNKNOWN	IMPACT CONFIGURATION FOR CODES, SEE TABLE ON PAGE DA-3.	OBJECT/VEHICLE CONTACTED FOR CODES, SEE TABLE ON PAGE DA-4.
# 1	<u>3</u> 32	<u>17</u> 34	<u>77</u> 36
#2	<u>3</u> 37	<u>17</u> 39	<u>77</u> 41
#3	<u>3</u> 42	<u>17</u> 44	<u>77</u> 46
#4	<u>  </u> 47	<u>  </u> 49	<u>  </u> 51
#5	<u>  </u> 52	<u>  </u> 54	<u>  </u> 56
#6	<u>  </u> 57	<u>  </u> 59	<u>  </u> 61
#7	<u>  </u> 62	<u>  </u> 64	<u>  </u> 66



CODES FOR  
IMPACT CONFIGURATIONFRONT OF CASE VEHICLE

- (11) AND FRONT OF CONTACTED VEHICLE
- (13) AND SIDE OF CONTACTED VEHICLE
- (14) AND REAR OF CONTACTED VEHICLE
- (16) ENDSWIPED BY CONTACTED VEHICLE
- (17) AND OBJECT
- (19) AND UNKNOWN OTHER VEHICLE CONFIGURATION

LEFT SIDE OF CASE VEHICLE

- (21) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (22) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (23) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (24) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (25) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (26) SIDESWIPED BY CONTACTED VEHICLE
- (27) AND OBJECT
- (29) AND UNKNOWN OTHER VEHICLE CONFIGURATION

REAR OF CASE VEHICLE

- (31) AND FRONT OF CONTACTED VEHICLE
- (33) AND SIDE OF CONTACTED VEHICLE
- (34) AND REAR OF CONTACTED VEHICLE
- (36) ENDSWIPED BY CONTACTED VEHICLE
- (37) AND OBJECT
- (39) AND UNKNOWN OTHER VEHICLE CONFIGURATION

RIGHT SIDE OF CASE VEHICLE

- (41) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (42) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (43) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (44) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (45) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (46) SIDESWIPED BY CONTACTED VEHICLE
- (47) AND OBJECT
- (49) AND UNKNOWN OTHER VEHICLE CONFIGURATION

## OTHER

- (57) VEHICLE TO OBJECT
- (58) VEHICLE TO VEHICLE
- (59) VEHICLE TO VEHICLE, CONFIGURATION UNKNOWN

## ROLLOVER

- (61) LESS THAN 360°
- (62) 360° OR MORE
- (69) DETAILS UNKNOWN

## UNKNOWN

- (99) IMPACT TYPE UNKNOWN

## CODES FOR VEHICLE/OBJECT CONTACTED

## VEHICLE/OBJECT GROUPS

- (00) NO OBJECT
- (01) - (39) PASSENGER VEHICLE & TRUCK
- (40) - (69) OTHER VEHICLE
- (70) - (76) PEDESTRIAN & ON-ROADWAY OBJECT
- (77) - (97) OFF-ROADWAY OBJECT

- (98) OTHER (DESCRIBE)
- (99) UNKNOWN

## PASSENGER VEHICLE

- (02) LARGE
- (03) LIMOUSINE
- (17) PICKUP
- (20) UNKNOWN PASSENGER VEHICLE BODY
- (24) SUB-MINI
- (25) MINI
- (26) SUB-COMPACT
- (27) COMPACT
- (28) INTERMEDIATE
- (29) FULL

SIZEWHEELBASE

SUB-MINI	< 2286 mm ( < 90")
MINI	2286 - 2412 mm (90" - 94.9")
SUB-COMPACT	2413 - 2539 mm (95" - 99.9")
COMPACT	2540 - 2666 mm (100" - 104.9")
INTERMEDIATE	2667 - 2793 mm (105" - 109.9")
FULL	2794 - 2920 mm (110" - 114.9")
LARGE	2921 - 3174 mm (115" - 124.9")
LIMOUSINE	> 3175 mm ( > 125")

## MULTIPURPOSE PASSENGER VEHICLE

- (11) SMALL VAN (MINI)
- (12) PICKUP
- (14) SMALL UTILITY (WHEELBASE LESS THAN 107",  
E.G. JEEP, BRONCO)
- (15) LARGE UTILITY (WHEELBASE MORE THAN 107",  
E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (17) PICKUP CAR WITH CANOPY/SHELL COVER
- (21) MOTOR HOME
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (23) PICKUP CAR WITH SLIDE-IN CAMPER
- (31) CHASSIS-MOUNTED CAMPER

## TRUCK

- (11) SMALL VAN (E.G. ECONOLINE)
- (12) PICKUP TRUCK
- (13) UNKNOWN LIGHT TRUCK
- (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (30) UNKNOWN TRUCK TYPE
- (31) CHASSIS-MOUNTED CAMPER
- (33) DELIVERY VAN (WALK-IN)
- (34) STRAIGHT TRUCK
- (35) TRUCK-TRACTOR (BOBTAIL)
- (36) CHASSIS-CAB
- (37) UNKNOWN HEAVY TRUCK
- (38) TRACTOR & SEMI-TRAILER (SEMI)
- (39) TRUCK (OR SEMI) & FULL TRAILER(S)

## BUS

- (40) UNKNOWN BUS TYPE
- (41) SCHOOL BUS
- (42) INTERCITY BUS (BETWEEN CITIES)
- (43) TRANSIT BUS (INTRACITY)
- (44) STREETCAR (ON TRACKS)

## MOTORCYCLE

- (50) UNKNOWN MOTORCYCLE TYPE
- (51) 1 - 75 cc
- (52) 76 - 125 cc
- (53) 126 - 250 cc
- (54) 251 - 500 cc
- (55) 501 - 750 cc
- (56) 751 cc +
- (57) 3-WHEELS (OR WITH SIDECAR)

## SPECIAL PURPOSE VEHICLE

- (60) UNKNOWN/OTHER SPECIAL VEHICLE (DESCRIBE)
- (61) SNOWMOBILE
- (62) ATV (ALL TERRAIN VEHICLE)
- (63) AMPHIBIOUS VEHICLE
- (64) FARM VEHICLE
- (65) CONSTRUCTION VEHICLE
- (66) TRAILER, PRIVATE (CAMPER)
- (67) TRAILER, COMMERCIAL (CARGO)
- (68) TRAIN (CARS)
- (69) LOCOMOTIVE (ENGINE, SWITCHER)

## OBJECT

- (70) PEDESTRIAN
- (71) BICYCLIST, OTHER PEDALCYCLIST
- (72) PEDESTRIAN CONVEYANCE (E.G. PERSON RIDING  
ANIMAL, CART)
- (73) LARGE ANIMAL
- (74) FALLEN OBJECT (E.G. OBJECT DISLODGED FROM  
OTHER VEHICLE, FALLEN TREE, ROCKS)
- (75) ROCKS
- (76) CONSTRUCTION EQUIPMENT (EXCLUDING (65))
- (77) SIGN POST, UTILITY POLE, TREE
- (78) DITCH
- (79) EMBANKMENT, SNOWBANK, RR TRACKS RR X
- (80) GROUND (ROLLOVER ONLY)
- (81) CURB (DAMAGE PRODUCING IMPACTS ONLY)
- (82) CULVERT
- (83) FENCE
- (84) HYDRANT, SHORT POST, STUMP
- (85) SMALL POST/TREE, RURAL MAIL BOX, MILE  
MARKER, DELINEATOR
- (86) BUILDING
- (87) PIER, PILLAR, BRIDGE SUPPORT
- (88) ABUTMENT, RETAINING WALL
- (89) BRIDGE RAIL
- (90) GUARD RAIL, LEADING SECTION
- (91) GUARD RAIL, MIDDLE OR UNKNOWN
- (92) GUARD RAIL, TRAILING SECTION
- (93) GUARD POST (TIMBER, METAL, CONCRETE)
- (94) CABLE, FENCE BARRIER
- (95) CONCRETE BARRIER (MEDIAN)
- (96) IMPACT ATTENUATOR
- (97) BREAKAWAY FEATURES



Duplicate columns 1-8  
from the previous card.

Module C R Format 0 1  
9 10 11 12

CRASH RECONSTRUCTION CR-1  
for  $\Delta V$

	CASE VEHICLE PRIMARY IMPACT		CASE VEHICLE SECONDARY IMPACT	
	CASE VEHICLE	CONTACTED VEHICLE	CASE VEHICLE	CONTACTED VEHICLE
EVENT NUMBER	<u>3</u> 13		<u>2</u> 47	
$\Delta V$ (km/h) TOTAL	<u>029</u> 14 15 16	<u>888</u> 32 33 34	<u>999</u> 48 49 50	<u>888</u> 66 67 68
LONGITUDINAL*	<u>-029</u> 17 20	<u>8888</u> 35 38	<u>9999</u> 51 54	<u>8888</u> 69 72
LATERAL*	<u>+000</u> 21 24	<u>8888</u> 39 42	<u>9999</u> 55 58	<u>8888</u> 73 76
*NOTE: THESE $\Delta V$ COMPONENTS MUST INCLUDE SIGN.				
EXAMPLES: 10 km/h = <u>± 010</u> -7 km/h = <u>-007</u>				
ENERGY DISSIPATED BY CRUSH (kj)	<u>0041</u> 25 28	<u>8888</u> 43 46	<u>9999</u> 59 62	<u>8888</u> 77 80
RECONSTRUCTION				
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL	<u>23</u> 29 30		<u>08</u> 63 64	
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL				
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL				
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL				
NOT RECONSTRUCTED BECAUSE				
(02) INSUFFICIENT DATA				
(03) EXCESSIVE UNDERRIDE/ OVERRIDE				
(04) ROLLOVER				
(05) VAULTING				
(06) OTHER TRAVEL IN MORE THAN ONE PLANE				
(07) NON-HORIZONTAL FORCE				
(08) SIDESWIPE-TYPE DAMAGE				
(09) YIELDING OBJECT				
(10) OTHER: _____				
(11) AT LEAST ONE VEHICLE BEYOND SCOPE				
(12) OTHER VEHICLE NOT INSPECTED				
MODE				
(1) CDC ONLY	<u>2</u> 31		<u>5</u> 65	
(2) CDC & DETAILED DAMAGE				
(3) TRAJECTORY & CDC				
(4) TRAJECTORY & CDC & DETAILED DAMAGE				
(5) NOT RECONSTRUCTED				
COMPUTER PROGRAM SPECIFY: <u>WINSMASH</u>				

Duplicate columns 1-8  
from the previous card.

Module C R Format 0 2  
9 10 11 12

CRASH RECONSTRUCTION CR-2  
for EBS

	CASE VEHICLE PRIMARY IMPACT		CASE VEHICLE SECONDARY IMPACT	
	CASE VEHICLE	CONTACTED VEHICLE	CASE VEHICLE	CONTACTED VEHICLE
EVENT NUMBER	<u>1</u> 13		<u>2</u> 47	
EBS (km/h) TOTAL	<u>029</u> 14 15 16	<u>888</u> 32 33 34	<u>999</u> 48 49 50	<u>889</u> 66 67 68
LONGITUDINAL*	<u>-029</u> 17 20	<u>8888</u> 35 38	<u>9999</u> 51 54	<u>8888</u> 69 72
LATERAL*	<u>+000</u> 21 24	<u>8888</u> 39 42	<u>9999</u> 55 58	<u>8888</u> 73 76
*NOTE: THESE EBS COMPONENTS MUST INCLUDE SIGN.				
EXAMPLES: 10 km/h = <u>± 0 1 0</u> -7 km/h = <u>- 0 0 7</u>				
ENERGY DISSIPATED BY CRUSH (kj)	<u>0041</u> 25 28	<u>8888</u> 43 46	<u>9999</u> 59 62	<u>8888</u> 77 80
RECONSTRUCTION				
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL	<u>23</u> 29 30		<u>08</u> 63 64	
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL				
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL				
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL				
NOT RECONSTRUCTED BECAUSE				
(02) INSUFFICIENT DATA				
(03) EXCESSIVE UNDERRIDE/ OVERRIDE				
(04) ROLLOVER				
(05) VAULTING				
(06) OTHER TRAVEL IN MORE THAN ONE PLANE				
(07) NON-HORIZONTAL FORCE				
(08) SIDESWIPE-TYPE DAMAGE				
(09) YIELDING OBJECT				
(10) OTHER: _____				
(11) AT LEAST ONE VEHICLE BEYOND SCOPE				
(12) OTHER VEHICLE NOT INSPECTED				
MODE				
(1) CDC ONLY	<u>2</u> 31		<u>5</u> 65	
(2) CDC & DETAILED DAMAGE				
(3) TRAJECTORY & CDC				
(4) TRAJECTORY & CDC & DETAILED DAMAGE				
(5) NOT RECONSTRUCTED				
COMPUTER PROGRAM SPECIFY: <u>WINSMAASH</u>				

Duplicate columns 1-8  
from the previous card.

Module C R Format 0 3  
9 10 11 12

# CRASH RECONSTRUCTION CR-3

## NOTES:

1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.
2. MEASURE  $C_1$  TO  $C_6$  FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.
3.  $D$  IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.
4. USE THE CENTER OF THE WHEELBASE AS THE CG.

CASE VEHICLE

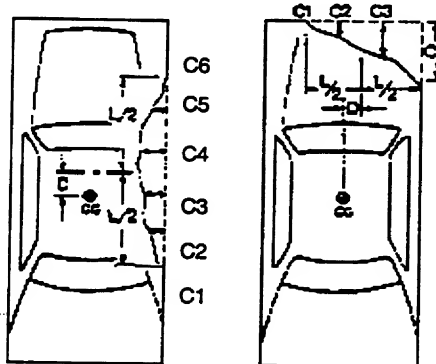
LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L
1	Ends-36cm from (R) bumper corner	B.C. to B.C.

## PLANE:

- (1) Bumper
- (2) Above Bumper
- (3) Sill
- (4) Above Sill
- (5) Other \_\_\_\_\_
- (9) Unknown



DL 26  
UDL 109

## CRUSH PROFILE IN CENTIMETERS

NOTE: Each line in the table below is a separate record (card).

Duplicate columns 1 - 12 for each completed line.

Specific Impact Number	Plane of Impact C-Measur.	Direct Damage		Field L	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>5</sub>	C <sub>6</sub>	±D
		Length (DDL)	Max Crush								
1	1	26	C4	115	14	18	30	46	23	23	+14
					20	7	1	1	7	20	
					0	11	29	45	16	3	
1	1	026	045	115	000	011	029	045	016	003+014	
13	14	15 16 17	18 19 20	21 22 23	24 25 26	27 28 29	30 31 32	33 34 35	36 37 38	39 40 41	42 43 44 45
2											

Stringline set + 363cm from rear axle



Duplicate columns 1-8  
from the previous card.

Module W T Format 0 1  
9 10 11 12

# WHEELS AND TIRES

WT-1

## WHEELS--DAMAGED

- (0) NO  
(1) YES  
(9) UNKNOWN

LF

①  
13

RF

①

RR

①

LR

①  
16

SIZE (NOT DOT CODE. IF UNKNOWN, USE 9'S)

LF

P 1 9 5 6 5 R 1 5  
25

RF

P 1 9 5 6 5 R 1 5  
35

RR

P 1 9 5 6 5 R 1 5  
45

LR

P 1 9 5 6 5 R 1 5  
55

## TIRE TREAD TYPE

- (1) REGULAR  
(2) SNOW  
(3) SLICKS  
(4) ALL WEATHER (MS)  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

LF

4  
17

RF

4

RR

4

LR

4  
20

## CARCASS CONSTRUCTION

- (1) BIAS  
(2) BELTED BIAS  
(3) RADIAL  
(4) ELLIPTICAL  
(5) HI PRESSURE SPARE  
(6) SPACE SAVER SPARE  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

LF

3  
21

RF

3

RR

3

LR

3  
24

IF VEHICLE IS EQUIPPED WITH DUAL  
WHEELS, COMPLETE FOR OUTER WHEELS  
AND MAKE NOTES ON INNER WHEELS.

NOTES: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



Duplicate columns 1-8  
from the previous card.

Module F T Format 0 1  
9 10 11 12

# FUEL AND FUEL TANKS FT-1

## TYPE OF PROPULSIVE FUEL

- (1) GASOLINE
- (2) DIESEL OIL
- (3) LPG
- (4) ELECTRIC
- (7) OTHER: \_\_\_\_\_
- (9) UNKNOWN

1  
13

## AUXILIARY TANK TYPE

- (1) OEM TANK
- (2) AFTER MARKET TANK
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

8  
21

## MAIN TANK LOCATION

322  
14 16

## AUXILIARY TANK LOCATION

888  
22 24

## MAIN FILLER CAP LOCATION

133  
17 19

## AUXILIARY FILLER CAP LOCATION

888  
25 27

## MAIN TANK MATERIAL

1  
20

## AUXILIARY TANK MATERIAL

8  
28

## TANK AND FILLER CAP LOCATION CODES

### FIRST DIGIT (LONGITUDINAL)

- (1) BEHIND KICK-UP
- (2) IN KICK-UP
- (3) BETWEEN KICK-UP & COWL
- (4) FORWARD OF COWL
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

### SECOND DIGIT (LATERAL)

- (1) LEFT OF FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) RIGHT OF FRAME
- (4) DUAL, RIGHT & LEFT TANKS
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

### THIRD DIGIT (VERTICAL)

- (1) BELOW FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) ABOVE FRAME
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

## TANK MATERIAL CODES

- (1) STEEL
- (2) ALUMINUM
- (3) PLASTIC
- (7) OTHER
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

Duplicate columns 1-8  
from the previous card.

Module F L Format 0 1  
9 10 11 12

FUEL LEAKAGE FL-1

# DID FUEL LEAKAGE RESULT FROM A CRASH EVENT

(0) NO KNOWN LEAKAGE SKIP PAGE.

(1) YES COMPLETE PAGE.



13

LEAK NUMBER	I LEAKING COMPONENT	II COMPONENT SOURCE	III TYPE OF DAMAGE	IV SEVERITY OF DAMAGE	V LOCATION OF LEAK	EVENT NUMBER
#1	<u>    </u> <u>    </u> 14 15	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 21
#2	<u>    </u> <u>    </u> 22 23	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 29
#3	<u>    </u> <u>    </u> 30 31	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 37
#4	<u>    </u> <u>    </u> 38 39	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 45
#5	<u>    </u> <u>    </u> 46 47	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 53

## I LEAKING COMPONENT

### TANK AREA

- (11) MAIN FUEL TANK (INCLUDING VAPOR RECOVERY DOME)
- (12) AUXILIARY FUEL TANK
- (13) MAIN TANK FILLER TUBE
- (14) MAIN TANK CAP (GAS CAP)
- (15) AUXILIARY TANK FILLER TUBE
- (16) AUXILIARY TANK CAP (GAS CAP)
- (19) TANK AREA, DETAILS UNKNOWN

### DELIVERY SYSTEM

- (21) FUEL FEED LINE (MAIN TANK TO FUEL PUMP)
- (22) FUEL FEED LINE (AUXILIARY TANK TO FUEL PUMP)
- (23) FUEL RETURN LINE (FUEL PUMP TO TANK)
- (24) INLINE FUEL FILTER
- (25) FUEL LINE (PUMP TO CARBURETOR OR INJECTOR PUMP)
- (26) CARBURETOR TO INJECTOR PUMP
- (27) FUEL PUMP
- (29) DELIVERY SYSTEM, DETAILS UNKNOWN

### EVAPORATIVE EMISSION CONTROL SYSTEM

- (31) ATMOSPHERIC VENT PIPE (NON-EEC EQUIPPED)
- (32) EEC PIPE (VAPOR CANISTER TO CARBURETOR)

### EEC SYSTEM (CONTINUED)

- (33) VAPOR RECOVERY HOSES (CANISTER TO CARBURETOR)
- (34) LIQUID-VAPOR SEPARATOR (UNLESS PART OF TANK)
- (35) CANISTER
- (39) EEC SYSTEM, DETAILS UNKNOWN

- (49) ENGINE COMPARTMENT, COMPONENT UNKNOWN
- (99) COMPONENT UNKNOWN

## II COMPONENT SOURCE

- (1) OEM
- (2) AFTER MARKET
- (9) UNKNOWN

## III TYPE OF DAMAGE

- (1) DENTED/CRUSHED
- (2) PUNCTURED
- (3) RUPTURED
- (4) SEVERED/GROSS TEARS
- (5) DISCONNECTED/DEFEATED
- (9) UNKNOWN

## IV SEVERITY OF DAMAGE

- (1) MINOR
- (2) MODERATE
- (3) SEVERE
- (4) DISCONNECTED/DEFEATED
- (9) UNKNOWN

## V LOCATION OF LEAK

FIRST DIGIT  
(LONGITUDINAL LOCATION)

- (1) F, FORWARD OF COWL
- (2) P, BETWEEN COWL & REAR BULKHEAD
- (3) B, BEHIND REAR BULKHEAD
- (4) Y, F, & P
- (5) Z, P, & B
- (6) D, DISTRIBUTED (F, P & B)
- (9) UNKNOWN

SECOND DIGIT  
(LATERAL LOCATION)

- (1) L, LEFT
- (2) C, CENTER
- (3) R, RIGHT
- (4) Y, LEFT CENTER (L & C)
- (5) Z, RIGHT CENTER (R & C)
- (6) D, DISTRIBUTED (F, P & B)
- (9) UNKNOWN

Duplicate columns 1-8  
from the previous card.

Module F R Format 0 1  
9 10 11 12

FIRE FR-1

WAS THERE FIRE IN OR ON CASE VEHICLE?

(0) NO SKIP PAGE.

(1) YES COMPLETE PAGE.



DID FIRE START IN CASE VEHICLE?

- (0) NO
- (1) YES
- (9) UNKNOWN

14

SEVERITY OF FIRE DAMAGE

- (1) MINOR
- (2) MODERATE
- (3) SEVERE
- (9) UNKNOWN

16

FLAME PROPOGATION RATE

- (1) RAPID/EXPLOSIVE
- (2) SLOW/MODERATE
- (9) UNKNOWN

15

DID AN INJURY TO CASE  
VEHICLE OCCUPANT RESULT FROM  
FIRE IN OR ON CASE VEHICLE?

- (0) NO
- (1) YES
- (9) UNKNOWN

17

PROVIDE NOTES IF FIRE OCCURRED.

Duplicate columns 1-8  
from the previous card.

Module E D Format 0 1  
9 10 11 12

## EXTERIOR DAMAGE

ED-1

### HOOD PERFORMANCE

FOR THE FOLLOWING, USE CODES:

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

HOOD LATCH(ES)- -RELEASED

-DAMAGED

-JAMMED

HOOD HINGES- -LEFT, DAMAGED

-LEFT, SEPARATED  
(COMPLETE)

-RIGHT, DAMAGED

-RIGHT, SEPARATED  
(COMPLETE)

HOOD REMAINED ON VEHICLE

REAR EDGE OF HOOD- -ELEVATED

-CONTACTED WINDSHIELD

-PENETRATED WINDSHIELD

HOOD LATCH LOCATION

- (1) FRONT OF VEHICLE
- (2) COWL AREA
- (3) SIDE
- (8) NOT APPLICABLE
- (9) UNKNOWN

13

14

15

16

17

18

19

20

21

22

23

24

25

### STEERING COL FLEXIBLE COUPLING

FLEXIBLE COUPLING TYPE

- (0) NONE
- (1) FLEXIBLE MATERIAL
- (2) POT
- (3) SINGLE U-JOINT
- (4) DOUBLE U-JOINT
- (5) FLEXIBLE CABLE
- (6) COMBINATION OF ABOVE  
(CIRCLE EACH)
- (7) OTHER: \_\_\_\_\_
- (8) EQUIPPED, TYPE UNKNOWN
- (9) UNKNOWN, IF EQUIPPED

COUPLING-

-DAMAGED

(USE CODES  
FROM HOOD  
PERFORMANCE)

-SEPARATED  
(COMPLETE)

### ENG COMPART TELESCOPING UNIT

TYPE OF UNIT

- (00) NONE INSTALLED
- (01) - (07) SEE UNITS ON PAGE ED-2
- (88) NOT COLLECTED
- (97) OTHER: \_\_\_\_\_
- (98) EQUIPPED, TYPE UNKNOWN
- (99) UNKNOWN IF EQUIPPED

ORIGINAL LENGTH (mm)

F (OR H): \_\_\_\_\_

TELESCOPED LENGTH (mm)

G: \_\_\_\_\_

DIFFERENCE (mm)

F (OR H) - G

(IF LESS THAN 15mm, ENTER "000".)

- (888) NOT COLLECTED
- (991) NOT MEASURED/NO  
COMPRESSION
- (992) COMPRESSED, AMOUNT  
UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO BE MEASURED
- (998) NOT APPLICABLE (NOT  
EQUIPPED)
- (999) UNKNOWN

9  
26

9  
27

9  
28

8 8  
29 30

8 8 8  
31 33

### ENGINE OR TRANSMISSION MOUNT

SEPARATION (COMPLETE)

- (0) NO
- (1) YES
- (9) UNKNOWN

25

## LEFT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE?

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

8  
 34

## LEFT DOORS

HOW DID DOORS  
OPEN DURING COLLISION?

USE CODES:

(0) DOOR DID NOT OPEN

OPENED BECAUSE OF

- (1) HINGE AREA SEPARATION  
 (2) DOOR-LATCH SEPARATION  
 (3) LATCH-STRIKER SEPARATION  
 (4) STRIKER-PILLAR SEPARATION  
 (5) BODY DISTORTION  
 (6) COMBINATION OF ABOVE  
 (CIRCLE EACH)  
 (7) OPENED, REASON UNKNOWN  
 (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

## LEFT PILLARS

PILLARS SEPARATED COMPLETELY -

USE CODES:

- (0) NO  
 (1) YES  
 (4) NO SEPARATION, BUT DAMAGED  
 (8) NOT APPLICABLE (NOT EQUIPPED)  
 (9) UNKNOWN

-A-PILLAR, UPPER

⊙  
 35

LOWER

⊙  
 36

-B-PILLAR, UPPER

⊙  
 37

LOWER

⊙  
 38

-C-PILLAR, UPPER

⊙  
 39

LOWER

⊙  
 40

-D-PILLAR, UPPER

8  
 41

LOWER

8  
 42

-FRONT

⊙  
 43

-REAR

⊙  
 44

DOORS JAMMED CLOSED-

USE CODES:

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

-FRONT

⊙  
 45

-REAR

⊙  
 46

## REAR DOOR

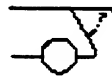
## REAR DOOR TYPE

- (0) NO DOOR (INCLUDES PICKUPS)
- (1) HATCHBACK
- (2) ONE-WAY TAILGATE
- (3) TWO-WAY TAILGATE
- (4) CLAMSHELL/DISAPPEARING TAILGATE
- (5) SINGLE DOOR
- (6) DOUBLE DOOR
- (9) UNKNOWN

Hatchback



One-way



Two-way



or



Clamshell



Single door



Double door

HOW DID DOOR  
OPEN DURING COLLISION?

- (0) DOOR DID NOT OPEN

## OPENED BECAUSE OF

- (1) HINGE AREA SEPARATION
- (2) DOOR-LATCH SEPARATION
- (3) LATCH-STRIKER SEPARATION
- (4) STRIKER-PILLAR SEPARATION
- (5) BODY DISTORTION
- (6) COMBINATION OF ABOVE  
(CIRCLE EACH)
- (7) OPENED, REASON UNKNOWN
- (8) NOT APPLICABLE (NO DOOR)
- (9) UNKNOWN

## DOOR JAMMED CLOSED

- (0) NO
- (1) YES
- (8) NOT APPLICABLE (NO DOOR)
- (9) UNKNOWN

47

8  
48

8  
49

## OTHER REAR DAMAGE

WAS PARTITION TO LUGGAGE AREA  
DAMAGED DURING COLLISION?

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

## SPARE TIRE

- (0) NO SPARE TIRE
- (1) NOT ATTACHED BEFORE COLLISION
- (2) ATTACHED, NOT SEPARATED IN COLLISION
- (3) ATTACHED, SEPARATED DUE TO COLLISION
- (8) NOT COLLECTED
- (9) UNKNOWN

## TRAILER HITCH TYPE

- (0) NO HITCH

## BALL-AND-SOCKET TYPES

- (1) TEMPORARY FRAMEWORK (E.G. RENTAL CLAMP-ON)
- (2) BUMPER-MOUNT ONLY (E.G. LIGHT TRUCK)
- (3) BUMPER-AND-FRAME (BUT NON-EQUALIZING)
- (4) LOAD EQUALIZING

## OTHER TYPES

- (5) RING-AND-PINTLE
- (6) FIFTH-WHEEL (INCL P/U)
- (7) OTHER (E.G. CLEVIS-AND-PIN)

- (8) EQUIPPED, TYPE UNKNOWN
- (9) UNKNOWN IF EQUIPPED

TRAILER TYPE  
(AT TIME OF COLLISION)

- (0) NO TRAILER
- (1) TRAVEL-TRAILER/CAMPER
- (2) MOBILE HOME
- (3) BOAT/SNOWMOBILE/ATV TRAILER
- (4) UTILITY TRAILER
- (5) TOWED CAR
- (7) OTHER: \_\_\_\_\_
- (8) TRAILER, TYPE UNKNOWN
- (9) UNKNOWN

50

8  
51

52

53

## RIGHT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE?

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

8  
 54

## RIGHT DOORS

HOW DID DOORS  
OPEN DURING COLLISION?

USE CODES:

(00) DOOR DID NOT OPEN

OPENED BECAUSE OF

- (01) HINGE AREA SEPARATION  
 (02) DOOR-LATCH SEPARATION  
 (03) LATCH-STRIKER SEPARATION  
 (04) STRIKER-PILLAR SEPARATION  
 (05) BODY DISTORTION  
 (06) COMBINATION OF ABOVE  
 (CIRCLE EACH)  
 (07) OPENED, REASON UNKNOWN  
 (11) VAN RIGHT-REAR DOOR OPENED  
 (ANY MECHANISM)

- (98) NOT APPLICABLE (NO DOOR)  
 (99) UNKNOWN

## RIGHT PILLARS

PILLARS SEPARATED COMPLETELY -

USE CODES:

- (0) NO  
 (1) YES  
 (4) NO SEPARATION, BUT DAMAGED  
 (8) NOT APPLICABLE (NOT EQUIPPED)  
 (9) UNKNOWN

-A-PILLAR, UPPER

0  
 55

LOWER

0  
 56

-B-PILLAR, UPPER

0  
 57

LOWER

0  
 58

-C-PILLAR, UPPER

0  
 59

LOWER

0  
 60

-D-PILLAR, UPPER

8  
 61

LOWER

8  
 62

-FRONT

0 0  
 63 64

-REAR

0 0  
 65 66

## DOORS JAMMED CLOSED-

USE CODES:

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

-FRONT

0  
 67

-REAR

0  
 68

## VAN REAR DOOR TYPE

- (0) VAN, NO REAR DOOR  
 (1) TRACK (SLIDING) - RIGHT SIDE  
 (2) SINGLE-HINGED - RIGHT SIDE  
 (3) DOUBLE-HINGED - RIGHT SIDE  
 (4) TRACK (SLIDING) - RIGHT & LEFT SIDE  
 (5) SINGLE-HINGED - RIGHT & LEFT SIDE  
 (6) DOUBLE-HINGED - RIGHT & LEFT SIDE  
 (7) TRACK AND HINGED COMBINATION  
 (8) NOT APPLICABLE (NOT A VAN)  
 (9) UNKNOWN

8  
 69

## WINDSHIELD DAMAGE

## WINDSHIELD CRACKED

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

WINDSHIELD BROKEN  
(PLASTIC INTERLAYER TORN)

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

CRACKED OR BROKEN  
BY OCCUPANT CONTACT

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

## EXTENT OF BOND SEPARATION

- (0) NONE  
 (1) 1 - 20%  
 (2) 21 - 40  
 (3) 41 - 60  
 (4) 61 - 80  
 (5) 81 - 99  
 (6) TOTAL  
 (7) SEPARATED, AMOUNT  
 UNKNOWN  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

## WINDSHIELD MARK ON CASE VEHICLE:

**SOFT RAY**  
**SAFTY pPg FLOLITE**  
**AS-1 28-9**  
**LAMINATED**

## WINDSHIELD CODE

- (97) DESCRIBED BUT NOT CODED  
 (98) NOT APPLICABLE (NO WINDSHIELD)  
 (99) UNKNOWN

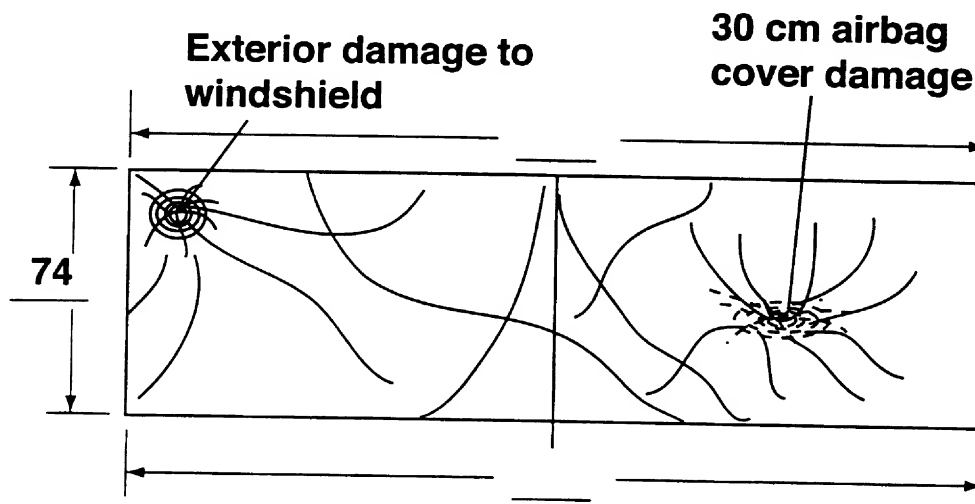
**97**  
 74 75

## Roof

DID T-ROOF/SUN ROOF OPEN  
DURING COLLISION?

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (NOT A T-ROOF OR SUN ROOF)  
 (9) UNKNOWN

**8**  
 76





## STEERING WHEEL

### STEERING WHEEL RIM DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN

Φ  
13

### NUMBER OF STEERING WHEEL SPOKES

- (9) UNKNOWN

2  
14

### STEERING WHL SPOKE DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN

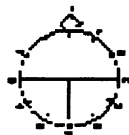
Φ  
15

### STEERING WHEEL POSITION AT TIME OF COLLISION

IN WHAT O'CLOCK POSITION WAS THE  
NORMAL TOP OF THE WHEEL POINTED  
WHEN THE COLLISION OCCURRED?

#### EXAMPLES

O'CLOCK = 12



(NORMAL STRAIGHT  
AHEAD)

O'CLOCK = 9



O'CLOCK = 99

(99) UNKNOWN

Driver  
didn't recall

## STEERING WHEEL ENERGY ABSORBING DEVICE



(1) EXAMPLES:

BARRACUDA, 70 - 74  
CHALLENGER, 70 - 74  
CAPRI, 71 - 77



(2) EXAMPLES:

OMNI, 78 -  
HORIZON, 78 -

### TYPE OF DEVICE

- (0) NONE
- (1) CONVOLUTED OR MESH CYLINDER
- (2) DEEP DISH STEERING WHEEL
- (7) OTHER: \_\_\_\_\_
- (8) NOT COLLECTED
- (9) UNKNOWN IF EQUIPPED

### ORIGINAL DIMENSION (mm)

A: \_\_\_\_\_

### DAMAGE DIMENSION (mm)

B: \_\_\_\_\_

### DIFFERENCE (mm)

A - B

- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT  
COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO MEASURE
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

8  
19

8 8 8  
20 22

## STEERING COLUMN OPTIONS

### TILT FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED, UNK POSITION
- (2) UP
- (3) MIDDLE
- (4) LOWER
- (9) UNKNOWN IF EQUIPPED

Full up

2  
16

### SWING-AWAY FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED

Φ  
17

### TELESCOPING FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED

Φ  
18

# STEERING WHEEL AND COLUMN SC-2

## STEERING COLUMN ENERGY ABSORBING DEVICE

TYPE OF DEVICE \* (IF 27 OR 28)

- (00) NOT EQUIPPED
- (88) NOT COLLECTED
- (99) UNKNOWN

ORIGINAL LENGTH (mm)

C: \_\_\_\_\_

COMPRESSED LENGTH (mm)

D: \_\_\_\_\_

BRACKET DEFLECTION (IF CODE 36, 48,  
OR 49 ABOVE)

OR

COMPRESSION (OR EXTRUSION) (mm)

C - D (OR E) (TOLERANCE:  $\pm 10$ )

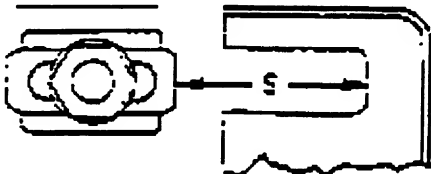
- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT  
COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO BE MEASURED
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

\* (ADD A & B FOR TOTAL COMPRESSION)

SHEAR CAPSULE SEPARATION (mm)

S (USE AVG. OF LEFT & RIGHT CAPSULES.)

LT:



RT:

- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT  
SEPARATION
- (992) SEPARATED, AMOUNT UNKNOWN
- (997) UNABLE TO BE MEASURED
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

COLUMN VERTICAL ROTATION

- (0) NO APPARENT ROTATION
- (1) UPWARD APPARENT ROTATION
- (2) DOWNWARD APPARENT ROTATION
- (9) UNKNOWN

COLUMN LATERAL ROTATION

- (0) NO APPARENT ROTATION
- (1) LEFT APPARENT ROTATION
- (2) RIGHT APPARENT ROTATION
- (9) UNKNOWN

## STEERING WHEEL (CONTINUED)

STEERING WHEEL HUB DAMAGE

- (0) NONE
- (1) OCCUPANT CONTACT
- (2) AIRBAG
- (3) OTHER \_\_\_\_\_
- (9) UNKNOWN



$\frac{8}{23} \frac{8}{24}$

$\frac{8}{25} \frac{8}{27} \frac{8}{27}$

$\frac{8}{28} \frac{8}{30} \frac{8}{30}$

$\frac{\text{O}}{31}$

$\frac{\text{O}}{32}$

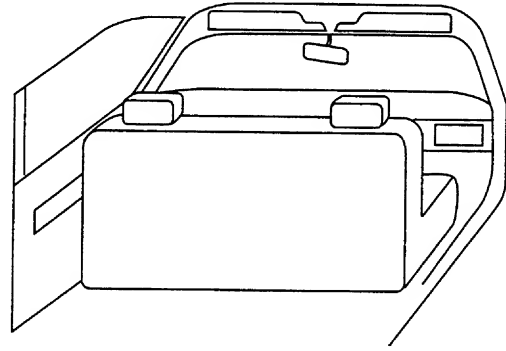
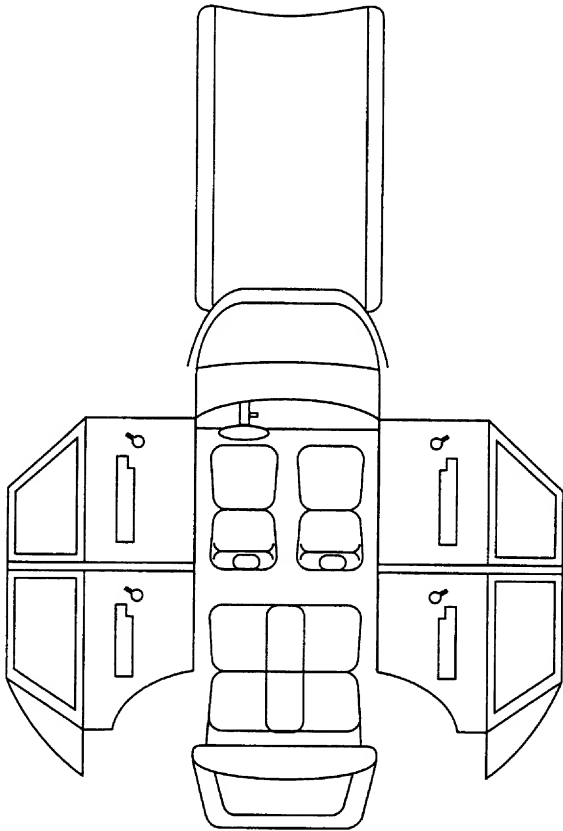
1 = Definitely 2 = Probably 3 = Possible

### INTRUSION IT-1

Location of Intrusion	Intruded Component	(All Measurements Are in Centimeters)				Dominant Crush Direction
		Comparison Value	–	Intruded Value	= Intrusion	
			–		=	
			–		=	
	<b>None</b>		–		=	
	<b>Apparent</b>		–		=	
			–		=	
			–		=	
			–		=	
			–		=	
			–		=	
			–		=	
			–		=	
			–		=	
			–		=	
			–		=	
			–		=	

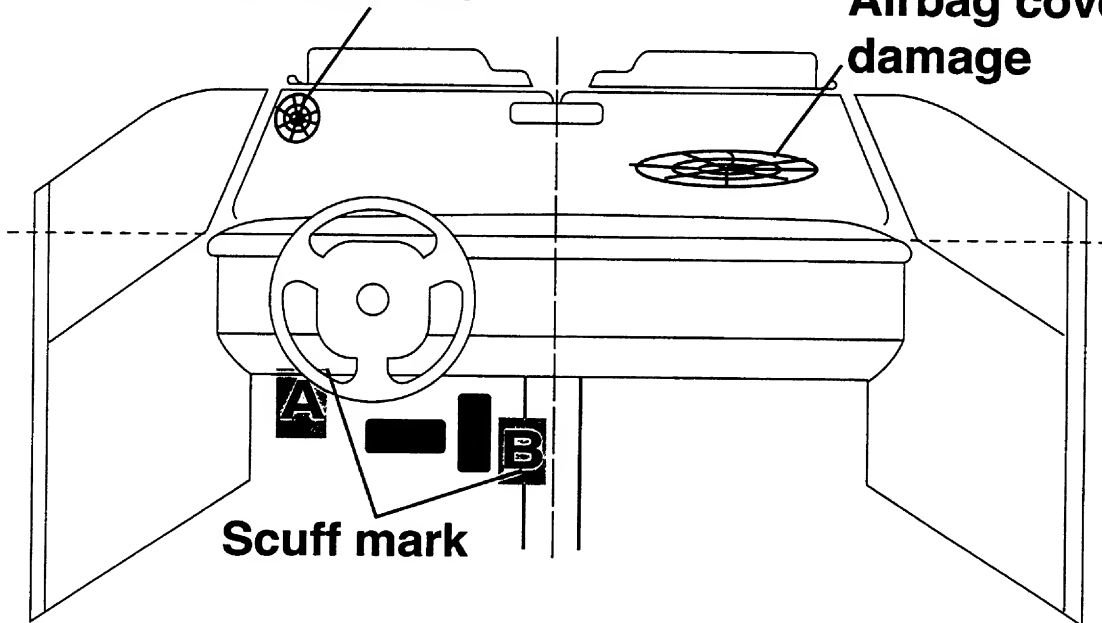
### OCCUPANT CONTACT WORKSHEET

Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	Knee bolster	1	Head	Scuff mark	1
B	Vertical Console	1	Head	Scuff mark	2
C					
D					
E					
F					
G					
H					
I					
J					
K					



**Exterior damage to  
windshield**

**Airbag cover  
damage**



## CODES FOR COLUMN B, OCCUPANT SPACE NUMBER

OCCUPANT SPACE NUMBER IS A TWO-DIGIT CODE. THE USE OF THE CODE IS DETERMINED BY THE VEHICLE SEAT CONFIGURATION AT THE TIME OF THE ACCIDENT.

## FIRST DIGIT

THE FIRST DIGIT (LEFT DIGIT) DENOTES THE SEAT ROW, WITH CODE VALUES FROM 1 TO 5.

## SECOND DIGIT

THE SECOND DIGIT (RIGHT DIGIT) DENOTES THE POSITION ON THE SEAT AND, IN SOME INSTANCES, THE WIDTH OF THE SEAT.

- (1) LEFT (3) RIGHT ..... INDIVIDUAL SEAT
- (1) LEFT (2) CENTER (3) RIGHT ..... BENCH: FULL WIDTH 3 PASSENGER
- (1) LEFT (2) LEFT CENTER (6) RIGHT CENTER (3) RIGHT ..... BENCH: FULL WIDTH 4 PASSENGER
- (1) LEFT (2) CENTER (5) RIGHT & ..... BENCH: PARTIAL WIDTH, LEFT AISLE SPACE
- (0) LEFT & SPACE (2) CENTER (5) RIGHT & ..... BENCH: PARTIAL WIDTH, CENTERED SPACE
- (4) ENTIRE VEHICLE WIDTH ..... CARGO AREA

## EXAMPLES

THE TWO FIGURES BELOW PROVIDE EXAMPLES OF THE OCCUPANT SPACE NUMBER.

PASSENGER CAR  
5 PASSENGERS

X	X	11	13
X	X	21	22 23

VAN  
12 PASSENGER CAPACITY

X	X	11	13
X	X	X	21 22 25
X	X	X	31 32 35
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X

## CODES FOR COLUMN F, MEASUREMENT AXIS

- (X) X-AXIS (FORE & AFT)  
(Y) Y-AXIS (LATERAL)  
(Z) Z-AXIS (VERTICAL)

## CODES FOR COLUMNS G, H, I &amp; J, OCCUPANT &amp; INJURY NUMBERS

OCCUPANT NUMBER	INJURY NUMBER	<u>CONTACT</u>
(00)	(00)	NO CONTACT
(##)	(00)	CONTACT, NO INJURY
(97)	(99)	CONTACT, OCCUPANT UNKNOWN, INJURY UNKNOWN
(99)	(00) OR (99)	UNKNOWN IF CONTACT



## CODES FOR COLUMN C, INTRUDING COMPONENT OR OBJECT

NOTE: DO NOT CODE OBJECTS OTHER THAN COMPONENTS OF CASE VEHICLE.

## INDIVIDUAL COMPONENT

## INTERNAL

- (01) INSTRUMENT PANEL
- (02) FIRE WALL
- (03) TOE PAN
- (04) FLOOR PAN
- (05) STEERING COLUMN
- (06) WINDSHIELD
- (07) WINDSHIELD HEADER
- (08) A-PILLAR
- (09) DOOR PANEL OR SIDE PANEL
- (10) WINDOW FRAME
- (11) B-PILLAR
- (12) C-PILLAR
- (13) D-PILLAR
- (14) ROOF SIDE RAILS
- (15) ROOF OR CONVERTIBLE TOP
- (16) BACKLIGHT HEADER
- (17) FRONT SEAT-BACK SURFACE/  
SEAT-BACK BACK SURFACE
- (18) SECOND SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (19) THIRD SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (20) FOURTH SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (21) FIFTH SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (22) BACK PANEL/BACK DOOR SURFACE
- (23) SEAT CUSHION SURFACE/EDGE
- (24) CONSOLE
- (25) OTHER (DESCRIBE)
- (26) UNKNOWN INTERNAL SURFACES
- (28) TRANSMISSION TUNNEL (HUMP)
- (29) SIDE FOOTWELL PANEL (KICKPANEL)
- (30) SILL

## EXTERNAL

- (43) HOOD
- (44) OBJECT EXTERNAL TO PASSENGER  
COMPARTMENT BUT PART  
OF CASE VEHICLE
- (45) OUTSIDE SURFACE OF CASE VEHICLE
- (46) OTHER (E.G. SPARE TIRE,  
JACK. DESCRIBE.)
- (49) UNKNOWN EXTERNAL OBJECT

## GROUPED FOR MASSIVE INTRUSION INTO AN OCCUPANT SPACE

USE ONLY IF ALL THESE COMPONENTS  
INTRUDED INTO A SINGLE OCCUPANT SPACE.

- |                        |                         |
|------------------------|-------------------------|
| (50) WINDSHIELD HEADER | (60) ROOF               |
| A-PILLAR               | ROOF RAIL               |
| ROOF SIDE RAIL         | A-PILLAR                |
| (51) INSTRUMENT PANEL  | B-PILLAR                |
| A-PILLAR               | C-PILLAR                |
| DOOR PANEL             | WINDOW FRAME            |
| (52) INSTRUMENT PANEL  | DOOR PANEL              |
| A-PILLAR               | FLOOR PAN               |
| WINDSHIELD HEADER      | (61) INSTRUMENT PANEL   |
| (53) DOOR PANEL        | TOE PAN                 |
| B-PILLAR               | WINDSHIELD HEADER       |
| ROOF RAIL              | A-PILLAR                |
| (54) DOOR PANEL        | ROOF RAIL               |
| A-PILLAR               | WINDOW FRAME            |
| ROOF RAIL              | DOOR PANEL              |
| (55) INSTRUMENT PANEL  | ROOF                    |
| FLOOR PAN              | (62) ROOF               |
| A-PILLAR               | ROOF RAIL               |
| DOOR FRAME             | C-PILLAR                |
| (56) ROOF RAIL         | WINDOW FRAME            |
| A-PILLAR               | FLOOR PAN               |
| B-PILLAR               | SECOND SEAT             |
| WINDOW FRAME           | DOOR PANEL              |
| (57) ROOF RAIL         | (63) ROOF RAIL          |
| A-PILLAR               | ROOF                    |
| B-PILLAR               | B-PILLAR                |
| C-PILLAR               | WINDOW FRAME            |
| DOOR PANEL             | FLOOR PAN               |
| (58) ROOF              | DOOR PANEL              |
| ROOF RAIL              | SECOND SEAT             |
| WINDOW FRAME           | FRONT SEAT              |
| DOOR PANEL             | (64) ROOF RAIL          |
| (59) BACKLIGHT HEADER  | ROOF OR CONVERTIBLE TOP |
| ROOF                   | A-PILLAR                |
| C-PILLAR               | B-PILLAR                |
| THIRD SEAT-BACK        | WINDOW FRAME            |
|                        | WINDOW HEADER           |
|                        | (65) WINDSHIELD         |
|                        | WINDSHIELD HEADER       |
|                        | ROOF SIDE RAIL          |
|                        | (66) WINDSHIELD         |
|                        | WINDSHIELD HEADER       |
|                        | A-PILLAR                |
|                        | (98) NOT APPLICABLE     |
|                        | (99) UNKNOWN            |

Duplicate columns 1-8  
from the previous card.

Module 1 9 10 Format 0 1  
11 12

INTRUSION IT-5

WAS THERE OCCUPANT COMPARTMENT INTRUSION? 13

- (0) NO DO NOT ANSWER NEXT QUESTION. SKIP PAGE.  
(1) YES ANSWER NEXT QUESTION.  
(9) UNKNOWN SKIP PAGE.

WAS INTRUSION CATASTROPHIC? 14

- (0) NO COMPLETE PAGE.  
(1) YES SKIP PAGE.

Duplicate columns 1-8  
from the previous card.

Module 1 9 10 Format 0 2  
11 12

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

**INTRUSIONS** CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.  
CODES FOR B, F, G, H, I, J ON PAGE IT-3  
CODES FOR C ON PAGE IT-4

OCCUPANT CONTACT AND INJURY

A	B	C	D	E	F	G	H	I	J	K
INTRUSION NUMBER	OCC. SPACE NO.	INTRUDING COMPONENT OR OBJECT	ASSOC. EVENT NO.	MAXIMUM INTRUSION X AXIS (cm)	MAXIMUM INTRUSION Y AXIS (cm)	MAXIMUM INTRUSION Z AXIS (cm)	OCCUPANT NUMBER	INJURY NUMBER	OCCUPANT NUMBER	INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
<u>0 1</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0 2</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0 3</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0 4</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0 5</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0 6</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0 7</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —

NOTE: USE ADDITIONAL PAGE IF MORE THAN 7 INTRUSIONS.

Duplicate columns 1-8  
from the previous card.

Module 1 9 10 Format 0 3  
11 12

NOTE: IF NO SIDE DOOR INTRUSION,  
SKIP REMAINDER OF PAGE.

**SIDE DOOR INTRUSION  
RESULTED FROM**

INTRUSION NUMBER	CAUSE	CODES FOR CAUSE:
13	15	(1) DIRECT IMPACT
16	18	(2) INDUCED DAMAGE
19	21	(9) UNKNOWN

**IF DAMAGE TO DOOR COMPONENT RESULTED IN INCREASED  
DOOR INTRUSION, CODE COMPONENT**

INTRUSION NUMBER	DAMAGED COMPONENT 1	DAMAGED COMPONENT 2	CODES FOR COMPONENTS
A 22 23	—	25	(0) NONE
B 26 27	—	29	(1) A-PILLAR
C 30 31	—	33	(2) B-PILLAR
D 34 35	—	37	(3) C-PILLAR
			(4) LATCH/STRIKER
			(5) HINGES
			(7) OTHER: —
			(8) NOT APPLICABLE
			(9) UNKNOWN



Duplicate columns 1-8  
from the previous card.

Module 1 T Format 0 2  
9 10 11 12

INTRUSION IT-6

NOTE: Each line in the table below is a separate record (card).  
Duplicate columns 1 - 12 for each completed line.

-- ADDITIONAL PAGE --

**INTRUSIONS** CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.  
CODES FOR B, F, G, H, I, J ON PAGE IT-3  
CODES FOR C ON PAGE IT-4

OCCUPANT CONTACT AND INJURY

A	B	C	D	E	F	G	H	I	J	K
INTRUSION NUMBER	OCC. SPACE NO.	INTRUDING COMPONENT OR OBJECT	ASSOC. EVENT NO.	MAXIMUM INTRUSION X AXIS (cm)	MAXIMUM INTRUSION Y AXIS (cm)	MAXIMUM INTRUSION Z AXIS (cm)	OCCUPANT NUMBER	INJURY NUMBER	OCCUPANT NUMBER	INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
<u>0 8</u>	— —	— — —	—	— — —	— — —	— — —	— — —	— — —	— — —	— — —
<u>0 9</u>	— —	— — —	—	— — —	— — —	— — —	— — —	— — —	— — —	— — —
<u>1 0</u>	— —	— — —	—	— — —	— — —	— — —	— — —	— — —	— — —	— — —
<u>1 1</u>	— —	— — —	—	— — —	— — —	— — —	— — —	— — —	— — —	— — —
<u>1 2</u>	— —	— — —	—	— — —	— — —	— — —	— — —	— — —	— — —	— — —
<u>1 3</u>	— —	— — —	—	— — —	— — —	— — —	— — —	— — —	— — —	— — —
<u>1 4</u>	— —	— — —	—	— — —	— — —	— — —	— — —	— — —	— — —	— — —
<u>1 5</u>	— —	— — —	—	— — —	— — —	— — —	— — —	— — —	— — —	— — —
<u>1 6</u>	— —	— — —	—	— — —	— — —	— — —	— — —	— — —	— — —	— — —
<u>1 7</u>	— —	— — —	—	— — —	— — —	— — —	— — —	— — —	— — —	— — —
<u>1 8</u>	— —	— — —	—	— — —	— — —	— — —	— — —	— — —	— — —	— — —
<u>1 9</u>	— —	— — —	—	— — —	— — —	— — —	— — —	— — —	— — —	— — —
<u>2 0</u>	— —	— — —	—	— — —	— — —	— — —	— — —	— — —	— — —	— — —
<u>2 1</u>	— —	— — —	—	— — —	— — —	— — —	— — —	— — —	— — —	— — —
<u>2 2</u>	— —	— — —	—	— — —	— — —	— — —	— — —	— — —	— — —	— — —
<u>2 3</u>	— —	— — —	—	— — —	— — —	— — —	— — —	— — —	— — —	— — —
<u>2 4</u>	— —	— — —	—	— — —	— — —	— — —	— — —	— — —	— — —	— — —
<u>2 5</u>	— —	— — —	—	— — —	— — —	— — —	— — —	— — —	— — —	— — —

Duplicate columns 1-8  
from the previous card.

Module 1 D Format 0 1  
9 10 11 12

# INTERIOR DAMAGE

ID-1

## CODES:

(0) NO  
(1) YES  
(3) NO, and OCCUPANT CONTACT

(4) YES, and OCCUPANT CONTACT  
(8) NOT APPLICABLE  
(9) UNKNOWN

	LEFT	RIGHT				
<b>SIDES</b>			<b>FRONT</b>		<b>INSTRUMENT PANEL</b>	
FRONT DOOR	<input checked="" type="radio"/> 13	<input checked="" type="radio"/> 14	FOOT CONTROLS	<input checked="" type="radio"/> 45	UPPER PANEL	<input checked="" type="radio"/> 55
FRONT HARDWARE	<input checked="" type="radio"/> 15	<input checked="" type="radio"/> 16	IGNITION KEYS	<input checked="" type="radio"/> 46	MID PANEL	<input checked="" type="radio"/> 56
FRONT ARMREST	<input checked="" type="radio"/> 17	<input checked="" type="radio"/> 18	REAR VIEW MIRROR	<input checked="" type="radio"/> 47	LOWER PANEL	<input checked="" type="radio"/> 57
FRONT GLASS	<input checked="" type="radio"/> 19	<input checked="" type="radio"/> 20	SUNVISOR/FITTINGS	<input checked="" type="radio"/> 48	ASHTRAY	<input checked="" type="radio"/> 58
REAR DOOR AREA	<input checked="" type="radio"/> 21	<input checked="" type="radio"/> 22	(5) LEFT SIDE ONLY (6) RIGHT SIDE ONLY (7) BOTH SIDES		CONTROL KNOBS & LEVERS	<input checked="" type="radio"/> 59
REAR HARDWARE	<input checked="" type="radio"/> 23	<input checked="" type="radio"/> 24	WINDSHIELD TOP MOLDINGS	<input checked="" type="radio"/> 49	GLOVE COMPARTMENT AREA	<input checked="" type="radio"/> 60
REAR ARMREST	<input checked="" type="radio"/> 25	<input checked="" type="radio"/> 26	LEFT A-PILLAR (UPPER OR LOWER)	<input checked="" type="radio"/> 50	INSTRUMENTS	<input checked="" type="radio"/> 61
REAR GLASS	<input checked="" type="radio"/> 27	<input checked="" type="radio"/> 28	RIGHT A-PILLAR (UPPER OR LOWER)	<input checked="" type="radio"/> 51	PARKING BRAKE RELEASE	<input checked="" type="radio"/> 62
ROOF SIDE RAIL	<input checked="" type="radio"/> 29	<input checked="" type="radio"/> 30	CENTER CONSOLE	<input checked="" type="radio"/> 52	PARKING BRAKE PEDAL	<input checked="" type="radio"/> 63
B-PILLAR	<input checked="" type="radio"/> 31	<input checked="" type="radio"/> 32	TRANSMISSION SELECTOR LEVER	<input checked="" type="radio"/> 53	A/C OR UPPER VENT OUTLETS	<input checked="" type="radio"/> 64
C-PILLAR	<input checked="" type="radio"/> 33	<input checked="" type="radio"/> 34	RIM, HORN, SPOKE	<input checked="" type="radio"/> 54	HEATER OR A/C DUCTS	<input checked="" type="radio"/> 65
D-PILLAR	<input checked="" type="radio"/> 35	<input checked="" type="radio"/> 36			RADIO	<input checked="" type="radio"/> 66
HEADLINING	<input checked="" type="radio"/> 37	<input checked="" type="radio"/> 38			OTHER: * _____	<input checked="" type="radio"/> 67
ROOF STRUCTURE	<input checked="" type="radio"/> 39	<input checked="" type="radio"/> 40				
T-ROOF/SUN ROOF	<input checked="" type="radio"/> 41	<input checked="" type="radio"/> 42				
OTHER: * _____	<input checked="" type="radio"/> 43	<input checked="" type="radio"/> 44				
					<b>REAR</b>	
					WINDOW	<input checked="" type="radio"/> 68
					WINDOW HEADER	<input checked="" type="radio"/> 69
					<b>CONSOLES</b>	
					VERTICAL	<input checked="" type="radio"/> 70
					ROOF	<input checked="" type="radio"/> 71

\* MORE THAN ONE ITEM MAY BE NOTED.

Duplicate columns 1-8  
from the previous card.

Module S T Format 0 2  
9 10 11 12

## SEATS

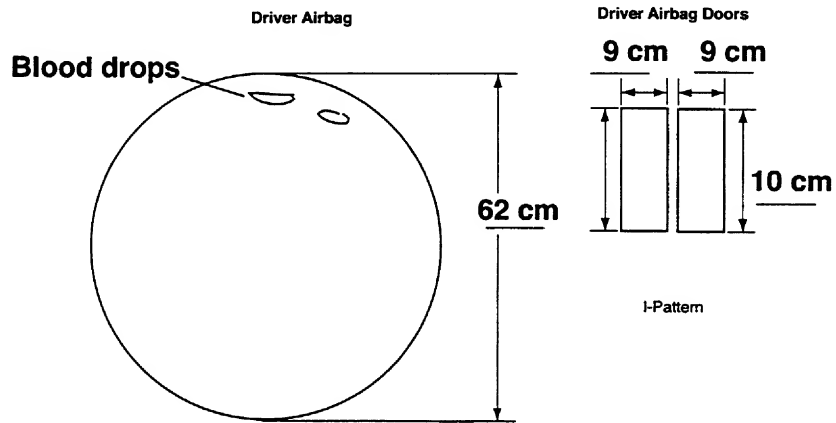
ST-1

FRONT SEAT		DRIVER	PASSENGR	FRONT SEAT-BACK		DRIVER	PASSENGR
<b>TYPE OF FRONT SEAT</b> (00) NO SEAT (01) STANDARD BENCH (02) SPLIT BACK, 50-50 (03) SPLIT BACK, DRIVER WIDE (04) SPLIT BACK, PASS. WIDE (05) BUCKET (06) CAPTAIN'S CHAIR (07) INDIV. BENCH, 50-50 (08) INDIV. BENCH, DRIVER WIDE (09) INDIV. BENCH, PASS. WIDE (97) OTHER: _____ (99) UNKNOWN		<u>05</u> 13 14	<u>05</u> 15 16	<b>SEAT-BACK TYPE</b> (1) FORWARD FOLDING (2) RIGID (3) RECLINING (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>3</u> 30	<u>3</u> 31
<b>TYPE OF SEAT MOUNT</b> (1) STANDARD (2) PEDESTAL (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 17	<u>1</u> 18	<b>SEAT-BACK LOCK TYPE</b> (0) NONE (1) MANUAL (2) INERTIA (3) POWER (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 32	<u>1</u> 33
<b>SWIVEL MECHANISM EQUIPPED</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 19	<u>0</u> 20	<b>LOCKS HELD</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 34	<u>1</u> 35
<b>ORIGINAL EQUIPMENT SEATS</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 21	<u>1</u> 22	<b>RECLINER MECHANISM HELD</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 36	<u>1</u> 37
<b>CONTACT OF SEAT BY REAR OCCUPANT</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>8</u> 23	<u>8</u> 24	<b>HEAD RESTRAINT</b> <b>HEAD RESTRAINT TYPE</b> (0) NONE (1) ADJUSTABLE (2) INTEGRAL (3) NOT INTEGRAL, BUT CANNOT BE REMOVED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 38	<u>1</u> 39
<b>FRONT SEAT DAMAGE</b> (0) NONE (1) BACKREST ONLY DAMAGED (2) CUSHION ONLY DAMAGED (3) BACKREST & CUSHION DAMAGED (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 25	<u>0</u> 26	<b>REMOVED PRE-CRASH</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 40	<u>0</u> 41
<b>CENTER ARMREST DAMAGED</b> (0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (NO CENTER ARMREST) (9) UNKNOWN IF EQUIPPED		<u>0</u> 27		<b>ADJUSTMENT AT CRASH</b> (1) UP (2) DOWN (8) NOT APPLICABLE (9) UNKNOWN		<u>2</u> 42	<u>2</u> 43
<b>FRONT SEAT ROTATION</b> (0) NONE APPARENT (1) FORWARD APPARENT (2) REARWARD APPARENT (3) LEFT APPARENT (4) RIGHT APPARENT (5) MULTIPLE ROTATIONS SPECIFY _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 28	<u>0</u> 29	<b>HEAD RESTRAINT DAMAGE</b> (0) NONE (1) DAMAGED BUT NOT SEPARATED (2) SEPARATED (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 44	<u>0</u> 45

FRONT SEAT ADJUSTMENT		DRIVER	PASSENGER	SECOND SEAT (CONT.)	
SEAT ADJUSTMENT TYPE				CENTER ARMREST DAMAGED	
(0) NONE (RIGID) (1) MANUAL (2) POWER (7) OTHER: _____ (8) NOT APPLICABLE (NO SEAT) (9) UNKNOWN		1 46	1 47	8 60	
ADJUSTMENT PROVIDED		2 48	2 49		
(1) 2-WAY (2) 4-WAY (3) 6-WAY (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN					
SEAT ADJUSTER DAMAGE		2 50	0 51	SECOND SEAT-BACK	
(0) NONE (1) CHUCKING (FREE PLAY) (2) DEFORMED (RELEASED/JAMMED) (3) SEPARATED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN				LEFT RIGHT	
SEAT ADJUSTER SEPARATION		0 52	8 53	LOCKS	
(0) NONE (1) SEPARATED AT FLOOR (2) SEPARATION OF ADJUSTER (3) SEPARATED AT SEAT (8) NOT APPLICABLE (9) UNKNOWN				FOR THE FOLLOWING, USE:	
PRE-CRASH POSITION		3 54	2 55	(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	
(1) FORWARD (2) MIDDLE (3) REARWARD (8) NOT APPLICABLE (9) UNKNOWN				LEFT OR CENTER, EQUIPPED	
				LEFT OR CENTER, HELD	
				(3) SEAT FOLDED DOWN	
				RIGHT, EQUIPPED	
				RIGHT, HELD	
				(3) SEAT FOLDED DOWN	
				THIRD SEAT	
SECOND SEAT		LEFT	RIGHT	EQUIPPED	
TYPE OF SECOND SEAT				BACKREST DAMAGED	
(0) NONE (1) NON-FOLDING (2) FOLDING (3) CAPTAIN'S CHAIR (4) JUMP SEAT (5) INTEGRAL CHILD SEAT (6) LUGGAGE AREA ACCESS PANEL (9) UNKNOWN		1 56	1 57	CUSHION DAMAGED	
SECOND SEAT DAMAGE		0 58	0 59	VEHICLE EQUIPPED WITH REAR HEAD RESTRAINTS	
(0) NONE (1) BACKREST ONLY (DAMAGED OR LOOSENED) (2) CUSHION ONLY (DAMAGED OR LOOSENED) (3) BACKREST & CUSHION (DAMAGED OR LOOSENED) (4) INTEGRAL CHILD SEAT (PRIORITY CODE) (5) LUGGAGE AREA ACCESS PANEL (DAMAGED OR LOOSENED) (8) NOT APPLICABLE (9) UNKNOWN				(0) NOT EQUIPPED (OR REMOVED) (1) EQUIPPED (2) EQUIPPED & DAMAGED (8) NOT APPLICABLE (NO REAR SEAT) (9) UNKNOWN	
				Applies to any rear-seat position	

<p>DRIVER SIDE</p> <p>LOCATION OF AIRBAG</p> <p>STEERING WHEEL</p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>1</u> 13</p> <p><u>1</u> 14</p>	<p>PASSENGER SIDE</p> <p>LOCATION OF AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>1</u> 16</p> <p><u>1</u> 17</p>
<p>CONDITION OF AIRBAG</p> <p>STEERING WHEEL</p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>	<p><u>⊙</u> 15</p>	<p>CONDITION OF AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>	<p><u>⊙</u> 18</p>
<p>DRIVER SIDE</p> <p>AIRBAG</p> <p>STEERING WHEEL</p> <p>TETHER</p> <p>(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>MARKED BY CONTACT</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>⊙</u> 19</p> <p><u>⊙</u> 20</p>	<p>PASSENGER SIDE</p> <p>AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>TETHER</p> <p>(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>MARKED BY CONTACT</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>⊙</u> 21</p> <p><u>⊙</u> 22</p>

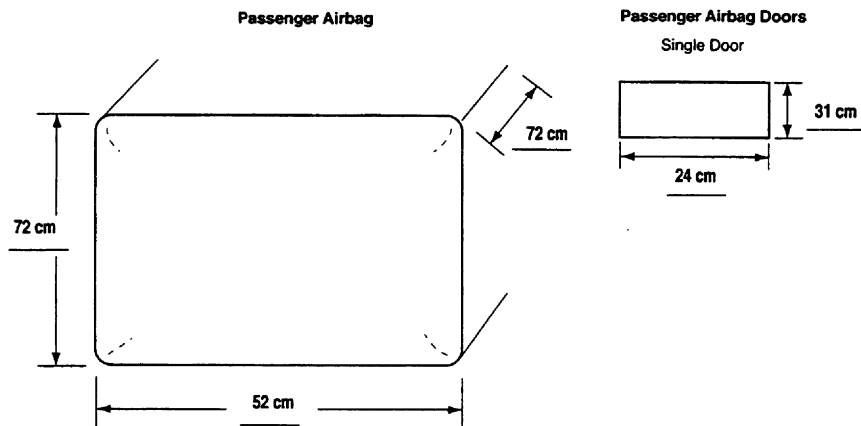
AIRBAG NUMBER ON DRIVER SIDE:



Vents: ☒ Y ☐ N  
if yes, how many: \_\_\_\_\_

Tethers: Y ☒ N  
if yes, how many: \_\_\_\_\_

AIRBAG NUMBER ON PASSENGER SIDE:



Vents: Y ☒ N  
if yes, how many: \_\_\_\_\_

Tethers: Y ☒ N  
if yes, how many: \_\_\_\_\_

NOTE TO THE INVESTIGATOR:

THE FOLLOWING TWO SECTIONS,  
OCCUPANT INFORMATION AND INJURY CLASSIFICATION,  
ARE TO BE FILLED IN  
FOR EACH CASE VEHICLE OCCUPANT,  
WHETHER INJURED OR NOT.

IF THERE IS MORE THAN ONE OCCUPANT,  
USE ADDITIONAL COPIES  
OF PAGES OC-1, OC-2, OC-3,  
AND IC-2 TO DESCRIBE THEM  
AND ATTACH THE COPIES TO THIS REPORT.

Duplicate columns 1-8  
from the previous card.

Module 0 C Format 0 2  
9 10 11 12

# OCCUPANT INFORMATION OC-1

## OCCUPANT IDENTIFICATION

OCCUPANT NUMBER

01  
13 14

ROLE OF OCCUPANT AT 1ST IMPACT

- (1) MOTOR VEHICLE DRIVER
- (2) MOTOR VEHICLE PASSENGER  
(NOT DRIVER)
- (9) UNKNOWN

1  
15

## OCCUPANT POSITION

ROW LOCATION

- (1) FRONT
- (2) SECOND
- (3) THIRD
- (4) FOURTH
- (7) OTHER: \_\_\_\_\_
- (8) EXTERNAL TO PASSENGER  
COMPARTMENT (E.G. BED OF PICKUP)
- (9) UNKNOWN

1  
16

LATERAL LOCATION

- (1) LEFT
- (2) LEFT CENTER
- (3) CENTER
- (4) RIGHT CENTER
- (5) RIGHT
- (6) ALL (LYING ON SEAT)
- (8) EXTERNAL TO PASSENGER  
COMPARTMENT
- (9) UNKNOWN

1  
17

POSTURE

- (10) SITTING ON SEAT
- (11) SITTING ON SEAT IN ABNORMAL  
POSITION (E.G. FEET ON DASH,  
SIDEWAYS)
- (12) SITTING ON CONSOLE
- (20) ON LAP OR IN ARMS
- (30) STANDING ON SEAT
- (40) STANDING ON FLOOR
- (47) STANDING, EXTERNAL TO  
PASSENGER COMPARTMENT
- (50) IN BASSINET
- (60) IN CHILD SEAT
- (65) IN CHILD HARNESS
- (70) LYING ON SEAT
- (80) LYING/SITTING ON PASSENGER  
FLOOR
- (83) LYING/SITTING ON OTHER  
OBJECT IN PASSENGER  
COMPARTMENT: \_\_\_\_\_
- (85) ON CARGO FLOOR/FOLDED  
SEAT-BACK
- (87) LYING/SITTING, EXTERNAL TO  
PASSENGER COMPARTMENT
- (97) OTHER: \_\_\_\_\_
- (99) UNKNOWN

10  
18 19

## PHYSICAL DESCRIPTION

AGE IN YEARS

- (00) LESS THAN 1 YEAR
- (98) 98 YEARS OR OLDER
- (99) UNKNOWN

28  
20 21

AGE IN MONTHS

- (00) LESS THAN 1 MONTH
- (25) 25 MONTHS OR OLDER
- (99) UNKNOWN

25  
22 23

MASS (kg)

- (999) UNKNOWN

070  
24 25 26

HEIGHT (cm)

- (999) UNKNOWN

183  
27 28 29

SEX

- (1) MALE
- (2) FEMALE
- (9) UNKNOWN

1  
30

## MEDICAL CONDITIONS

TREATMENT/MORTALITY

- (00) NONE
- (01) FIRST AID AT SCENE
- (02) TREATED AT HOSPITAL/CLINIC  
BUT NOT ADMITTED
- (03) HOSPITALIZED FOR OBSERVATION  
LESS THAN 24 HOURS
- (04) HOSPITALIZED OVER 24 HOURS  
OR FOR SIGNIFICANT TREATMENT
- (05) FATAL, DEAD AT SCENE
- (06) FATAL, DOA
- (07) FATAL, DEAD WITHIN 24 HOURS
- (08) FATAL, DEAD 24 HOURS TO  
31 DAYS LATER
- (09) FATAL, DEAD 31 DAYS TO  
1 YEAR LATER
- (10) FATAL DEAD WITHIN UNKNOWN  
PERIOD
- (99) UNKNOWN

02  
31 32

INJURY SEVERITY SCORE (ISS)

- (99) UNKNOWN

00  
33 34

NON-IMPACT MED. CONDITIONS

- (0) NONE
- (1) YES, TIME & TYPE UNKNOWN
- (2) PRE-CRASH FATAL (CLINICAL  
DEATH AT WHEEL)
- (3) PRE-CRASH NON-FATAL (E.G.  
PRIOR INJURY, STROKE)
- (4) PREGNANT
- (5) POST-CRASH FATAL (DROWNING)
- (6) POST-CRASH NON-FATAL INJURY
- (7) OTHER: \_\_\_\_\_
- (8) COMBINATION OF ABOVE  
(CIRCLE EACH)
- (9) UNKNOWN

0  
35



# OCCUPANT INFORMATION OC-2

## MEDICAL CONDITIONS (CONT.)

### POLICE INJURY SEVERITY CODE FOR THIS OCCUPANT

- (0) O - NO INJURY
- (1) C - POSSIBLE INJURY
- (2) B - NON-INCAPACITATING
- (3) A - INCAPACITATING INJURY
- (4) K - FATAL
- (5) INJURED, SEVERITY UNKNOWN
- (6) DIED PRIOR TO IMPACT
- (7) NON-FATAL INJURY,  
SEVERITY UNKNOWN
- (9) UNKNOWN

1  
36

## CHILD SEAT TYPE

- (00) NONE USED
- (01) YES, USED
- (02) INTEGRAL, Chrysler Mini-van
- (88) NOT APPLICABLE  
(ADULT OR OLDER CHILD)
- (99) UNKNOWN

88  
41 42

## CHILD SEAT MAKE/MODEL

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## RESTRAINT SYSTEM

### ACTIVE RESTRAINT SYSTEM

- (0) NONE
- (1) LAP BELT
- (2) SHOULDER HARNESS ONLY
- (3) BOTH LAP BELT &  
SHOULDER HARNESS
- (9) UNKNOWN

3  
37

### ACTIVE RESTRAINT SYSTEM USAGE

- (0) NONE (AVAILABLE BUT NOT USED)
- (1) LAP BELT ONLY
- (2) SHOULDER HARNESS ONLY
- (3) BOTH LAP BELT &  
SHOULDER HARNESS
- (7) IMPROPER USAGE
- (8) NOT APPLICABLE (NONE AVAILABLE)
- (9) UNKNOWN

3  
38

### PASSIVE RESTRAINT SYSTEM

- (0) NONE
- (1) AIRBAG INSTALLED
- (2) PASSIVE UPPER TORSO  
WITH KNEE BOLSTERS
- (3) PASSIVE UPPER TORSO  
WITHOUT KNEE BOLSTERS
- (4) PASSIVE LAP & UPPER TORSO
- (5) AIRBAG INSTALLED &  
PASSIVE RESTRAINT
- (7) OTHER: \_\_\_\_\_
- (9) UNKNOWN

1  
39

### PASSIVE RESTRAINT SYSTEM USAGE

- (0) SYSTEM DEFEATED
- (1) AIRBAG NOT DEPLOYED
- (2) AIRBAG DEPLOYED
- (3) AIRBAG NOT REINSTALLED
- (4) PASSIVE UPPER TORSO USED
- (5) PASSIVE LAP & UPPER TORSO USED
- (6) SYSTEM USED IN MANUAL MODE
- (7) IMPROPER USAGE
- (8) NOT APPLICABLE (NOT ORIGINALLY  
EQUIPPED)
- (9) UNKNOWN

2  
40

## EJECTION

### DEGREE OF EJECTION

- (0) NONE
- (1) PARTIAL
- (2) COMPLETE
- (7) EJECTED, DEGREE UNKNOWN
- (9) UNKNOWN IF EJECTED

0  
43

### AREA OF EJECTION

- (01) WINDOW, LEFT SIDE
- (02) WINDOW, RIGHT SIDE
- (03) WINDOW, REAR
- (04) DOOR, LEFT SIDE
- (05) DOOR, RIGHT SIDE
- (06) DOOR, REAR OR TAILGATE
- (07) WINDSHIELD
- (08) ROOF OR OPEN CONVERTIBLE OR  
FROM EXTERNAL AREA
- (96) EJECTED AREA UNKNOWN
- (97) OTHER AREA: \_\_\_\_\_
- (98) NOT APPLICABLE (NOT EJECTED)
- (99) UNKNOWN IF EJECTED

98  
44 45

### IF OCCUPANT WAS EJECTED, DESCRIBE IN DETAIL BELOW:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## HEAD RESTRAINT

### HEAD RESTRAINT AVAILABLE FOR THIS POSITION

- (0) NOT EQUIPPED OR REMOVED
- (1) EQUIPPED
- (9) UNKNOWN

1  
46

# OCCUPANT INFORMATION OC-3

## OCCUPANT EYEWEAR

- (0) NONE
- (1) GLASSES
- (2) CONTACTS
- (3) BOTH GLASSES AND CONTACTS
- (4) OTHER \_\_\_\_\_
- (8) NOT APPLICABLE
- (9) UNKNOWN

1  
47

## SOURCE OF INFORMATION

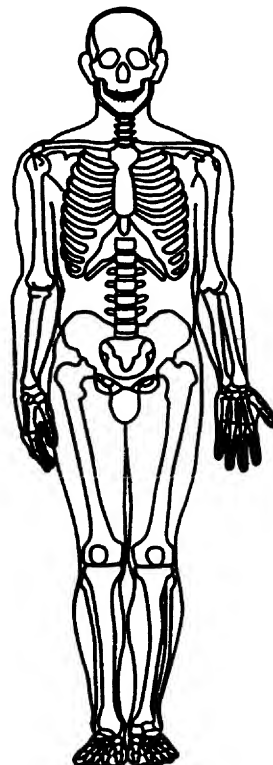
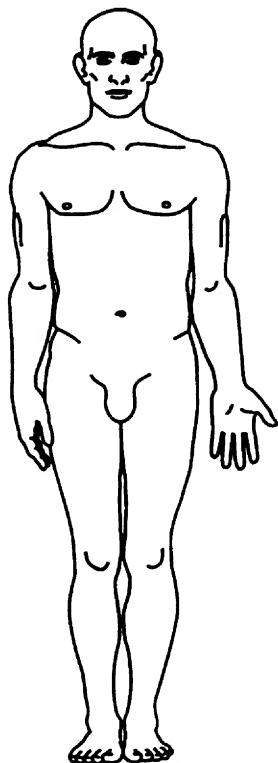
- (0) INTERVIEW
- (1) HOSPITAL
- (2) AUTOPSY
- (3) POLICE
- (4) OTHER \_\_\_\_\_
- (5) LAY CORONER/EXTERNAL EXAM
- (7) COMBINATION OF ABOVE (CIRCLE)
- (8) NOT APPLICABLE
- (9) UNKNOWN

*Driver - he  
is a doctor*

0  
48

INDICATE LOCATION OF INJURIES.

**No Injury Reported**



INJURY CLASSIFICATION IC-1

**NOTE:** Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

## OCCUPANT INJURY CLASSIFICATION

[illegible]

**NOTE: USE ADDITIONAL PAGES IF NECESSARY.**

## CODES FOR AREAS OF POSSIBLE OCCUPANT CONTACT

## FRONT OF PASSENGER COMPARTMENT

- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (12) WINDSHIELD
- (05) INSTRUMENT PANEL (*SPECIFIC AREA UNKNOWN*)
- (54) UPPER INSTRUMENT PANEL (X)
- (55) MIDDLE INSTRUMENT PANEL (Y)
- (56) LOWER INSTRUMENT PANEL (Z)
- (81) ASH TRAY (*INSTRUMENT PANEL*)
- (02) GLOVE COMPARTMENT AREA
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
- (57) BENEATH INSTRUMENT PANEL
- (53) PARCEL TRAY
- (48) KNEE RESTRAINT
- (86) VERTICAL CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (09) STEERING ASSEMBLY (*SPECIFIC AREA UNKNOWN*)
- (65) STEERING WHEEL
- (66) STEERING WHEEL COLUMN
- (59) TRANSMISSION LEVER ON COLUMN
- (03) HARDWARE ITEM (*SPECIFIC AREA UNKNOWN*)
- (82) INSTRUMENT(S)
- (83) CONTROL KNOB(S) & LEVER(S) (*FRONT*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (67) IGNITION KEY
- (06) MIRROR
- (04) HEATER OR AIR CONDITIONING DUCTS
- (01) AIR CONDITIONING OR VENTILATION OUTLET(S)
- (08) RADIO (*BUILT IN*)
- (58) ADD-ON TAPE DECK, RADIO, A/C
- (68) ROOF MOUNTED CONTROLS/CONSOLES

## REAR

- (88) SURFACE OF REAR INTERIOR
- (23) REAR WINDOW
- (39) REAR WINDOW HEADER
- (50) REAR SEAT CUSHION & BACK

## INTERIOR-GENERAL

- (11) TRANSMISSION SELECTION LEVER (*LOCATION UNK.*)
- (59) TRANSMISSION LEVER ON STEERING COLUMN
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (07) PARKING BRAKE HANDLE (*LOCATION UNKNOWN*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (29) FRONT SEAT-BACK(S)
- (51) FRONT SEAT CUSHION
- (50) REAR SEAT CUSHION & BACK
- (49) ARMREST ON SEAT
- (89) UNDER SEAT BOTTOM
- (33) RESTRAINT SYSTEM HARDWARE
- (34) RESTRAINT SYSTEM WEBBING
- (87) AIR CUSHION SKIN (AIRBAG)
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
- (46) AIRBAG GAS
- (48) KNEE RESTRAINT
- (30) HEAD RESTRAINT
- (42) CHILD SEAT RESTRAINTS
- (43) CHILD SEAT
- (31) INTERIOR LOOSE OBJECT
- (32) OTHER OCCUPANT(S)
- (52) INTERNAL FLYING GLASS (*FROM ANY SOURCE*)
- (41) UNKNOWN INTERIOR SURFACE

## SIDES

- (20) SURFACE OF SIDE INTERIOR
- (19) HARDWARE ON SIDE OR DOOR
- (13) ARMREST ON SIDE OR DOOR
- (24) COAT HOOK
- (22) WINDOW GLASS (*SIDE*)
- (21) WINDOW FRAMES (*SIDE*)
- (26) ROOF SIDE RAIL
- (14) A-PILLAR
- (15) B-PILLAR
- (16) C-PILLAR
- (17) D-PILLAR

## FLOOR

- (40) FLOOR
- (27) CONSOLE ON FLOOR OR BETWEEN SEATS
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (91) KICKPANEL

## ROOF

- (25) ROOF OR CONVERTIBLE TOP
- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (26) ROOF SIDE RAIL
- (24) COAT HOOK
- (18) DOME LIGHT
- (39) BACKLIGHT HEADER
- (68) ROOF MOUNTED CONTROLS/CONSOLE
- (69) ROLL BAR

## EXTERIOR SURFACE OF CASE VEHICLE

- (37) OUTSIDE SURFACE OF CASE VEHICLE (*SPECIFIC AREA UNKNOWN*)
- (35) HOOD OF CASE VEHICLE
- (60) EXTERIOR OF CASE VEHICLE (*E.G. OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (62) EXTERIOR SIDE ROOF RAIL OF CASE VEHICLE
- (63) TRUNK LID OF CASE VEHICLE
- (64) TIRES OF CASE VEHICLE

## BEYOND CASE VEHICLE BOUNDARY

- (36) AREA EXTERIOR TO CAR (*SPECIFIC AREA UNK.*)
- (70) HOOD OF OTHER VEHICLE
- (71) OTHER VEHICLE EXTERIOR HARDWARE (*E.G. OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (73) EXTERIOR SIDE ROOF RAIL OF OTHER VEHICLE
- (74) HEADLIGHT OR FRONT GRILL OF OTHER VEH.
- (75) TRUNK OF OTHER VEHICLE
- (76) OUTSIDE SURFACE OF OTHER VEHICLE
- (77) TIRES OF OTHER VEHICLE
- (78) GROUND
- (79) WATER
- (80) EXTERIOR OBJECT (*NOT VEHICLE, GROUND, OR WATER. PLEASE DESCRIBE.*)

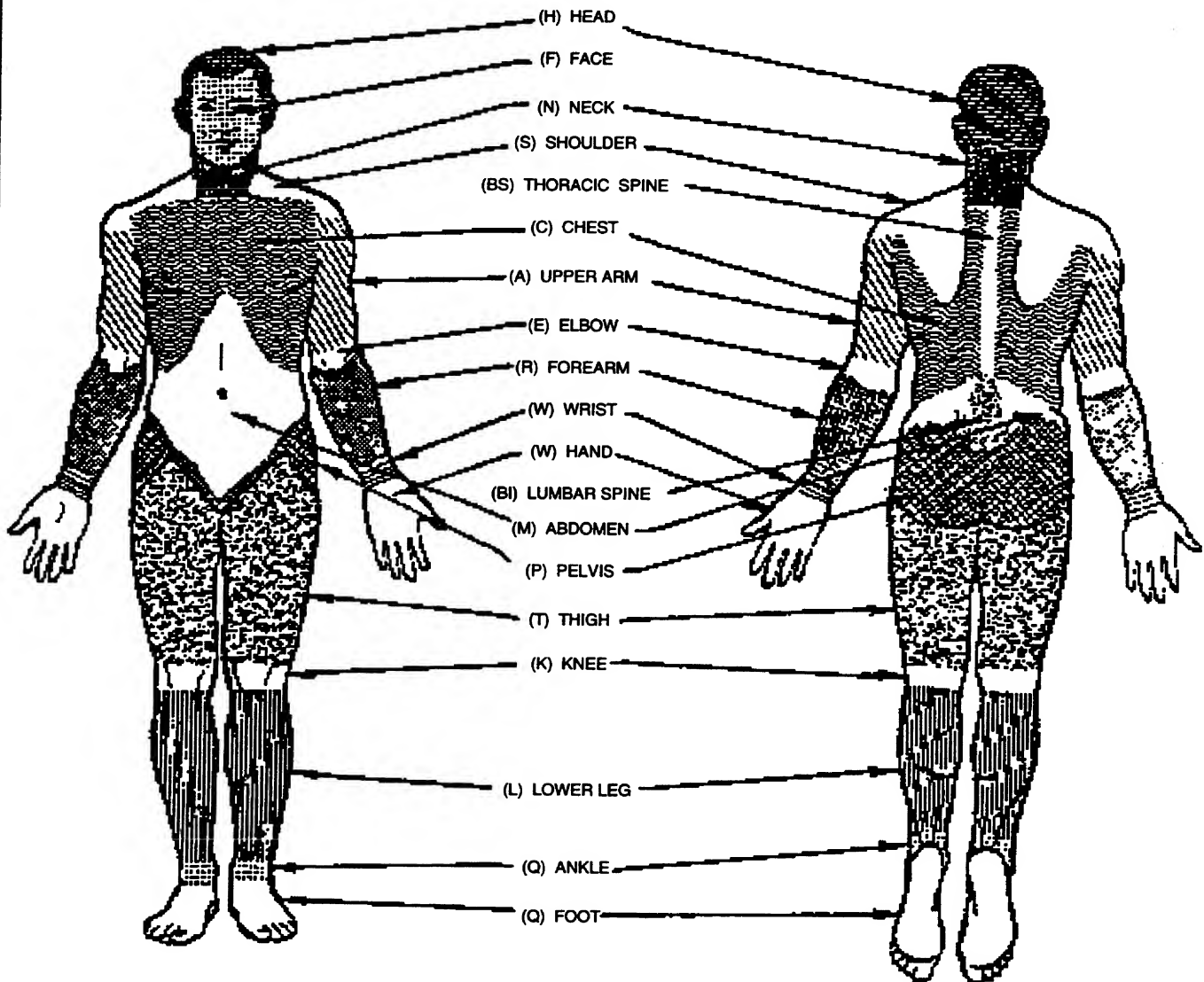
## PENETRATING OBJECTS

- (61) OTHER VEHICLE
- (72) OBJECTS (*DESCRIBE*)

## MISCELLANEOUS

- (00) NO CONTACT (*INVALID FIELD FORM CODE*)
- (38) OTHER (*E.G. FIRE. DESCRIBE*)
- (90) SPARE TIRE
- (96) INDUCED
- (97) EJECTED, UNKNOWN CONTACT
- (98) IMPACT FORCE, "WHIPLASH", HYPEREXTENSION/COMPRESSION
- (99) UNKNOWN AREA OF CONTACT

THE FIGURE BELOW  
IS AN EXPLANATION OF THE BODY REGION CODES  
LISTED ON PAGE IC - 4.



## CODES FOR OCCUPANT INJURY CLASSIFICATION (OIC)

**1 BODY REGION**

(H) HEAD/SKULL  
 (F) FACE  
 (N) NECK  
 (S) SHOULDER  
 (X) UPPER EXTREMITIES  
 (A) ARM (*UPPER*)  
 (E) ELBOW  
 (R) FOREARM  
 (W) WRIST/HAND  
 (C) CHEST  
 (M) ABDOMEN  
 (B) BACK  
 (P) PELVIC/HIP  
 (Y) LOWER EXTREMITIES  
 (T) THIGH  
 (K) KNEE  
 (L) LEG (*LOWER*)  
 (Q) ANKLE/FOOT  
 (O) WHOLE BODY  
 (U) UNKNOWN

**3 LESION**

(L) LACERATION  
 (C) CONTUSION  
 (A) ABRASION  
 (F) FRACTURE  
 (P) PERFORATION,  
 PUNCTURE  
 (K) CONCUSSION  
 (V) AVULSION  
 (R) RUPTURE  
 (S) SPRAIN  
 (D) DISLOCATION  
 (N) CRUSH  
 (M) AMPUTATION  
 (B) BURN  
 (G) DETACHMENT,  
 SEPARATION  
 (Z) FRACTURE AND  
 DISLOCATION  
 (T) STRAIN  
 (E) TOTAL SEVERANCE,  
 TRANSECTION  
 (O) OTHER  
 (U) UNKNOWN

**4 SYSTEM/ORGAN**

(S) SKELETAL  
 (V) VERTEBRAE  
 (J) JOINTS  
 (D) DIGESTIVE  
 (L) LIVER  
 (N) NERVOUS SYSTEM  
 (B) BRAIN  
 (C) SPINAL CORD  
 (E) EARS  
 (O) EYES  
 (A) ARTERIES  
 (H) HEART  
 (Q) SPLEEN  
 (G) UROGENITAL  
 (K) KIDNEYS  
 (R) RESPIRATORY  
 (P) PULMONARY/LUNGS  
 (M) MUSCLES  
 (T) THYROID, OTHER  
 ENDOCRINE GLAND  
 (I) INTEGUMENTARY (*SKIN*)  
 (W) ALL SYSTEMS IN REGION  
 (U) UNKNOWN

**2 ASPECT**

(R) RIGHT  
 (L) LEFT  
 (B) BILATERAL  
 (C) CENTRAL  
 (A) ANTERIOR/FRONT  
 (P) POSTERIOR/BACK  
 (S) SUPERIOR/UPPER  
 (I) INFERIOR/LOWER  
 (W) WHOLE REGION  
 (U) UNKNOWN

BODY REGION	ASPECT	LESION	SYSTEM/ORGAN	SEVERITY
1	2	3	4	5

**5 SEVERITY**  
(OR "AIS", ABBREVIATED INJURY SCALE)

(0) NONE  
 (1) MINOR  
 (2) MODERATE  
 (3) SERIOUS  
 (4) SEVERE  
 (5) CRITICAL  
 (6) MAXIMUM  
 (9) UNKNOWN



Case No.: 212-00

Veh. (A): 1999 Chevrolet

Type: Cavalier, 4-door sedan

Driver: 28-year-old male

Light Conditions: Dark; unlighted

Weather: Clear

Road Surface: Dry

Road Construction: Asphalt



Tree

speed limit  
sign

no-parking  
sign

56 kph (35) mph Speed Limit



PN 21200 #1





PN 21200 #2



PN21200 #3



PN 21200 #4  
Best Available



**PN 21200 #5**  
**Best Available**



PN21200 #6  
Best Available



PN 21200 #7  
Best Available



PN 21200 #6  
Best Available



**PN21200-09**  
**Best Available**





**PN 21200 #10**  
**Best Available**



PN 21200 #11



PN 21200 #12



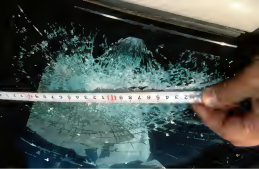
PN 21200 #13



PN 21200 #14



PN21200#15

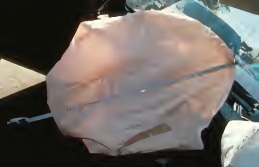


PN21200#16



PN21200#17





PN21200 #18  
Best Available



PN21200#19



PN 21200 #20  
Best Available



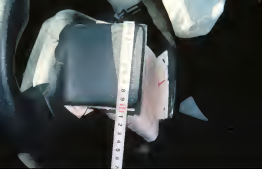
PN21200#21



PN 21200 #22  
Best Available



PN 21200 #23  
Best Available



PN 21200 #24  
Best Available



PN 21200 #25  
Best Available





PN 21200 #26  
Best Available



PN 21200 #27



FN21200 #28



PN 21200 #29



PN 21200 #30



PN 21200 #31



PN 21200 #32



PN 21200 #33





PN 21200 #34



PN 21200 #35



PN 21200 #36



PN 21200 #37



PN 21200438



PN 21200 #39



PN 21200 #40



PN 21200 #41





PN 21200 #42





PN 21200 #43





PN 21200 #44



CASE NO.: 212-00

CASE VEHICLE: 1999 Chevrolet

TYPE: Cavalier, 4-door sedan

OCCUPANT: (Driver): 28-year-old male

STATURE: 183 cm (6 ft, 0 in)      MASS: 70 kg (155 lb)

RESTRAINTS: 3-point belt worn; airbag deployed

SEVERITY:    MAIS - 0    ISS - 0

No Injury Reported

